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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 20:50:54 ; Search time 519.149 Seconds
(without alignments)
10093.927 Million cell updates/sec

Title: US-09-846-512-1
Perfect score: 2948
Sequence: 1 aagagtgcatactgcctcc.....tccccctgaamctraaamya 2948

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/1 COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5 COMB.seq: *
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8: /cgn2_6/ptodata/1/ina/RE COMB.seq: *
9: /cgn2_6/ptodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2418.8	82.0	2440	3	US-09-949-016-5210 Sequence 5210, Ap
2	2418.8	82.0	2440	3	US-09-949-016-5211 Sequence 5211, Ap
3	2418.8	82.0	2440	3	US-09-949-016-5212 Sequence 5212, Ap
4	2346	79.6	2412	3	US-09-999-833A-68 Sequence 68, Appl
5	2346	79.6	2412	3	US-10-020-445A-68 Sequence 68, Appl
6	2337.2	79.3	2413	3	US-09-518-046-1 Sequence 1, Appl
7	2337.2	79.3	2413	3	US-09-518-046-1 Sequence 1, Appl
8	2311	78.4	2416	3	US-09-261-416-1 Sequence 3, Appl
9	2196.2	74.5	2544	3	US-09-518-046-3 Sequence 3, Appl
10	2196.2	74.5	2544	3	US-09-518-046-3 Sequence 3, Appl
11	893.2	30.3	28203	3	US-09-949-016-16952 Sequence 16952, A
12	893.2	30.3	28203	3	US-09-949-016-16953 Sequence 16953, A
13	893.2	30.3	28203	3	US-09-949-016-16954 Sequence 16954, A
C 14	597.2	20.3	601	3	US-09-949-016-181324 Sequence 181324, A
C 15	597.2	20.3	601	3	US-09-949-016-181361 Sequence 181361, A
C 16	597.2	20.3	601	3	US-09-949-016-181398 Sequence 181398, A
C 17	397.8	13.5	601	3	US-09-949-016-181325 Sequence 181325, A
C 18	397.8	13.5	601	3	US-09-949-016-181362 Sequence 181362, A
C 19	397.8	13.5	601	3	US-09-949-016-181399 Sequence 181399, A
C 20	383.8	13.0	492	3	US-09-280-116-66 Sequence 66, Appl
C 21	322.2	10.9	601	3	US-09-949-016-181323 Sequence 181323, A
C 22	322.2	10.9	601	3	US-09-949-016-181360 Sequence 181360, A
C 23	322.2	10.9	601	3	US-09-949-016-181397 Sequence 181397, A
C 24	245.4	8.3	72504	3	US-09-949-016-14855 Sequence 14855, A

25	240.8	8.2	66627	3	US-09-949-016-12630 Sequence 12630, A
26	240.8	8.2	66628	3	US-09-949-016-16112 Sequence 16112, A
27	240.6	8.2	16216	3	US-09-949-016-17377 Sequence 17377, A
C 28	239.4	8.1	51539	3	US-09-949-002-677 Sequence 677, App
C 29	239.4	8.1	51540	3	US-09-949-002-819 Sequence 819, App
30	238.8	8.1	75212	3	US-09-949-016-13313 Sequence 13313, A
31	238.8	8.1	75212	3	US-09-949-016-13314 Sequence 13314, A
32	238.8	8.1	75212	3	US-09-949-016-13315 Sequence 13315, A
33	238.8	8.1	87523	3	US-09-949-016-12670 Sequence 12670, A
34	238.8	8.1	87523	3	US-09-949-016-15047 Sequence 15047, A
35	238.8	8.1	87523	3	US-09-949-016-15048 Sequence 15048, A
36	238.8	8.1	87523	3	US-09-949-016-15049 Sequence 15049, A
37	238.8	8.1	87869	3	US-09-949-016-11744 Sequence 11744, A
38	238.8	8.1	87869	3	US-09-949-016-15044 Sequence 15044, A
39	238.8	8.1	87869	3	US-09-949-016-15045 Sequence 15045, A
40	238.8	8.1	87869	3	US-09-949-016-15046 Sequence 15046, A
41	238	8.1	4352	3	US-09-620-312D-555 Sequence 555, App
C 42	238	8.1	24154	3	US-09-949-016-16374 Sequence 16374, A
43	238	8.1	68444	3	US-09-949-016-13968 Sequence 13968, A
C 44	237.4	8.1	601	3	US-09-949-016-120352 Sequence 120352, A
45	237.4	8.1	30402	3	US-09-949-016-12451 Sequence 12451, A

ALIGNMENTS

RESULT 1

US-09-949-016-5210
; Sequence 5210, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5210
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5210

Query Match	82.0%	Score	2418.8	DB	3	Length	2440
Best Local Similarity	99.7%	Pred. No.	0				
Matches	2433	Conservative	1	Mismatches	3	Indels	3
Gaps	1						
QY	427	ACCGGGACCGGACCGGCTCGGGTACTTTCGTTCTTAATTAGGTCTATGCCCGTATGAGCCA	486				
Db	1	ACCGGGACCGGACCGGCTCGGGTACTTTCGTTCTTAATTAGGTCTATGCCCGTATGAGCCA	60				
QY	487	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAAACACTGTGGCCCTATCTCTTCCTGGTGGTG	546				
Db	61	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAAACACTGTGGCCCTATCTCTTCCTGGTGGTG	120				
QY	547	CCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGGCGGCGGATGTC	606				
Db	121	CCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGGCGGCGGATGTC	180				
QY	607	ACAGGTCTGAATAGTACACCATGGGGAATAATGATCCCGCTGCTCTTGAAGCCCTTTC	666				
Db	181	ACAGGTCTGAATAGTACACCATGGGGAATAATGATCCCGCTGCTCTTGAAGCCCTTTC	240				
QY	667	TCATTCCGATCGCTTTTGGCCCTTGATGATTTTGAATAAGTCTCTTGCACCATGCA	726				

RESULT 2
US-09-949-016-5211
; Sequence 5211, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5211
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5211

Query Match 82.0%; Score 2418.8; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2433; Conservative 1; Mismatches 3; Indels 3; Gaps 1;
QY 427 ACCGGGACCGGACCGCTCGGCTCTTAAATAGGTGATGCCCGTATGAGCA 486
DB 1 ACCGGGACCGGACCGCTCGGCTCTTAAATAGGTGATGCCCGTATGAGCA 60
QY 487 GGAAAGGGCTGTGTTATGGGAAGCAGTAACACATGTGGCTTACTTCTTCCTGGTG 546
DB 61 GGAAAGGGCTGTGTTATGGGAAGCAGTAACACATGTGGCTTACTTCTTCCTGGTG 120
QY 547 CCATCTACATTTTGGGACTCGGGAATTAAGAGGTAGAGGTGGAGCGGACCGATGTC 606
DB 121 CCATCTACATTTTGGGACTCGGGAATTAAGAGGTAGAGGTGGAGCGGACCGATGTC 180
QY 607 AGAGTCTGAATAGTACCAATGGGGAATATGATCCGCTGCTGTTGAAGCCCTTC 666
DB 181 AGAGTCTGAATAGTACCAATGGGGAATATGATCCGCTGCTGTTGAAGCCCTTC 240
QY 667 TCATTCCGATCGCTTTTGGCTTGTATGATTTGAAATTAAGTCTTGTGACCAAGTGA 726
DB 241 TCATTCCGATCGCTTTTGGCTTGTATGATTTGAAATTAAGTCTTGTGACCAAGTGA 300
QY 727 GATGCTGTTGCTGCAGATCCTGTCACTGCTGCCATTTGAAGTCTTGTGACCAAGTGA 786
DB 301 GATGCTGTTGCTGCAGATCCTGTCACTGCTGCCATTTGAAGTCTTGTGACCAAGTGA 360
QY 787 ATTGGATCATTTGATGATTTAGCACTGGCCATTTGCTGGGATCCACTTTCGACTGC 846
DB 361 ATTGGATCATTTGATGATTTAGCACTGGCCATTTGCTGGGATCCACTTTCGACTGC 420
QY 847 TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGAC 906
DB 421 TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGAC 480
QY 907 GGAGTCTCGGATTTGAAAGACGGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAG 966
DB 481 GGAGTCTCGGATTTGAAAGACGGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAG 540
QY 967 AATGCCGTCTCCAGGTGTTACAGCTGCTTCTGGAAGCCATGCTCCGATGACTCG 1026
DB 541 AATGCCGTCTCCAGGTGTTACAGCTGCTTCTGGAAGCCATGCTCCGATGACTCG 600
QY 1027 AAGGCTCACTACGAAATGTTGCTGTGCCCACTGGGTTTCCCAAGCTATGTGATTCA 1086
DB 601 AAGGCTCACTACGAAATGTTGCTGTGCCCACTGGGTTTCCCAAGCTATGTGATTCA 660

QY 1087 GATAAACCCTCAGAGTGAGCTCGCTCGAGGGGAGGAGTTTGTGTCCATCGAT 1146
DB 661 GATAAACCCTCAGAGTGAGCTCGCTCGAGGGGAGGAGTTTGTGTCCATCGAT 720
QY 1147 CACCTCTTGCAGATGACAAAGGTGACTGCTATTAACCACTCAGTATATGTGAGGGAGGA 1206
DB 721 CACCTCTTGCAGATGACAAAGGTGACTGCTATTAACCACTCAGTATATGTGAGGGAGGA 780
QY 1207 TGTGCTCTCGCCACGCTGTTTACCTTGCAGTGCACAGCTGCTGCTCATAGAGGGGCTAC 1266
DB 781 TGTGCTCTCGCCACGCTGTTTACCTTGCAGTGCACAGCTGCTGCTCATAGAGGGGCTAC 840
QY 1267 AGCTCAGCGCATCGTGGGTGGAAAACATGTCTTGTCTCGCAGTGGCCCTGGCAGCCAGC 1326
DB 841 AGCTCAGCGCATCGTGGGTGGAAAACATGTCTTGTCTCGCAGTGGCCCTGGCAGCCAGC 900
QY 1327 CTTCAAGTTCAGAGGCTACACCTGTGCGGGGGCTCTGTCTATCAGCCCTGTGGATCATC 1386
DB 901 CTTCAAGTTCAGAGGCTACACCTGTGCGGGGGCTCTGTCTATCAGCCCTGTGGATCATC 960
QY 1387 ACTGCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCTATGAGCATCCAGTGGGT 1446
DB 961 ACTGCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCTATGAGCATCCAGTGGGT 1020
QY 1447 CTAGTTCCTCTGTTGGCAATCCAGCCCTTCCCAAGTCTATGAGCATCCAGTGGGT 1506
DB 1021 CTAGTTCCTCTGTTGGCAATCCAGCCCTTCCCAAGTCTATGAGCATCCAGTGGGT 1080
QY 1507 AGCAAGTACAAAGCAGGCTGGGCAATGACATCGCCCTTATGAACTGGCCGGGCA 1566
DB 1081 AGCAAGTACAAAGCAGGCTGGGCAATGACATCGCCCTTATGAACTGGCCGGGCA 1140
QY 1567 CTCAGTTCATGAAATGATCCAGCTGTGCTGCCCAACTCTGAAAGAGAACTTCCCT 1626
DB 1141 CTCAGTTCATGAAATGATCCAGCTGTGCTGCCCAACTCTGAAAGAGAACTTCCCT 1200
QY 1627 GATGAAAGTGTGCTGAGACGTGAGGATGGGGGGCCACAGAGGATGG -- AGGTGACGCC 1683
DB 1201 GATGAAAGTGTGCTGAGACGTGAGGATGGGGGGCCACAGAGGATGGAGCGCTGACGCC 1260
QY 1684 TCCCTGCTCTGAAACACGCGGCTCTCTTGTATTTCCAAAGATCTGCAACACAGG 1743
DB 1261 TCCCTGCTCTGAAACACGCGGCTCTCTTGTATTTCCAAAGATCTGCAACACAGG 1320
QY 1744 GACGTGTACGTTGGCATCATCTCCCTCCATGCTCTCGGGGCTACTGACGGTGC 1803
DB 1321 GACGTGTACGTTGGCATCATCTCCCTCCATGCTCTCGGGGCTACTGACGGTGC 1380
QY 1804 GTGACAGCTGCGAGGGGACAGCGGGGGGCTCTGCTGTTCAAGAGAGAGGCTGTGG 1863
DB 1381 GTGACAGCTGCGAGGGGACAGCGGGGGGCTCTGCTGTTCAAGAGAGAGGCTGTGG 1440
QY 1864 AAGTTAGTGGAGCGACAGCTTTGGCATCGGCTCGCGAGAGGTGAAACAGCTGGGTG 1923
DB 1441 AAGTTAGTGGAGCGACAGCTTTGGCATCGGCTCGCGAGAGGTGAAACAGCTGGGTG 1500
QY 1924 TACACCTGTGCTCCTCTGCTGAGTGGATCCAGAGCAGATGGAGAGACCTTAA 1983
DB 1501 TACACCTGTGCTCCTCTGCTGAGTGGATCCAGAGCAGATGGAGAGACCTTAA 1560
QY 1984 ACCTGAAAGAGGAGGAGCAAGTAGCCACCTGAGTTCCTGAGTGTATGAAAGACGCCGA 2043
DB 1561 ACCTGAAAGAGGAGGAGCAAGTAGCCACCTGAGTTCCTGAGTGTATGAAAGACGCCGA 1620
QY 2044 TCCCTCCCTGGACTCCGCTGTAGGAACTGTGACACAGAGAGACACCTTGGAGCTGAG 2103
DB 1621 TCCCTCCCTGGACTCCGCTGTAGGAACTGTGACACAGAGAGACACCTTGGAGCTGAG 1680
QY 2104 TCCCGGACCACTAGCAGCGCCGAGAGGACCTTCCATCTGATTCCAGACACACCTT 2163
DB 1681 TCCCGGACCACTAGCAGCGCCGAGAGGACCTTCCATCTGATTCCAGACACACCTT 1740

1	PRIOR FILING DATE: 1998-04-15	60/082568
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3	PRIOR FILING DATE: 1998-04-21	60/082569
4	PRIOR APPLICATION NUMBER: 60/082569	
5	PRIOR FILING DATE: 1998-04-21	60/082704
6	PRIOR APPLICATION NUMBER: 60/082704	
7	PRIOR FILING DATE: 1998-04-22	60/082804
8	PRIOR APPLICATION NUMBER: 60/082804	
9	PRIOR FILING DATE: 1998-04-22	60/082700
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11	PRIOR FILING DATE: 1998-04-22	60/082797
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13	PRIOR FILING DATE: 1998-04-22	60/082796
14	PRIOR APPLICATION NUMBER: 60/082796	
15	PRIOR FILING DATE: 1998-04-23	60/083336
16	PRIOR APPLICATION NUMBER: 60/083336	
17	PRIOR FILING DATE: 1998-04-27	60/083322
18	PRIOR APPLICATION NUMBER: 60/083322	
19	PRIOR FILING DATE: 1998-04-28	60/083392
20	PRIOR APPLICATION NUMBER: 60/083392	
21	PRIOR FILING DATE: 1998-04-29	60/083495
22	PRIOR APPLICATION NUMBER: 60/083495	
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25	PRIOR FILING DATE: 1998-04-29	60/083499
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30	PRIOR APPLICATION NUMBER: 60/083554	
31	PRIOR FILING DATE: 1998-04-29	60/083558
32	PRIOR APPLICATION NUMBER: 60/083558	
33	PRIOR FILING DATE: 1998-04-29	60/083559
34	PRIOR APPLICATION NUMBER: 60/083559	
35	PRIOR FILING DATE: 1998-04-29	60/083500
36	PRIOR APPLICATION NUMBER: 60/083500	
37	PRIOR FILING DATE: 1998-04-29	60/083742
38	PRIOR APPLICATION NUMBER: 60/083742	
39	PRIOR FILING DATE: 1998-04-30	60/084366
40	PRIOR APPLICATION NUMBER: 60/084366	
41	PRIOR FILING DATE: 1998-05-05	60/084414
42	PRIOR APPLICATION NUMBER: 60/084414	
43	PRIOR FILING DATE: 1998-05-06	60/084441
44	PRIOR APPLICATION NUMBER: 60/084441	
45	PRIOR FILING DATE: 1998-05-06	60/084637
46	PRIOR APPLICATION NUMBER: 60/084637	
47	PRIOR FILING DATE: 1998-05-07	60/084639
48	PRIOR APPLICATION NUMBER: 60/084639	
49	PRIOR FILING DATE: 1998-05-07	60/084640
50	PRIOR APPLICATION NUMBER: 60/084640	
51	PRIOR FILING DATE: 1998-05-07	60/084598
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53	PRIOR FILING DATE: 1998-05-07	60/085339
54	PRIOR APPLICATION NUMBER: 60/085339	
55	PRIOR FILING DATE: 1998-05-13	60/085338
56	PRIOR APPLICATION NUMBER: 60/085338	
57	PRIOR FILING DATE: 1998-05-13	60/085323
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61	PRIOR FILING DATE: 1998-05-15	60/085700
62	PRIOR APPLICATION NUMBER: 60/085700	
63	PRIOR FILING DATE: 1998-05-15	60/085689
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65	PRIOR FILING DATE: 1998-05-15	60/085579
66	PRIOR APPLICATION NUMBER: 60/085579	
67	PRIOR FILING DATE: 1998-05-15	

; PRIOR APPLICATION NUMBER: 60/085580
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085573
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085704
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 2357; Conservative 2; Mismatches 1; Gaps 1;

QY	503	ATGGGAACCCAGTAACACTGTGGCCCTACTACTCTTCCTCGTGGTGGCCATCTACATTTTGG	562
DB	1	ATGGGAACCCAGTAACACTGTGGCCCTACTACTCTTCCTCGTGGTGGCCATCTACATTTTGG	60
QY	563	GACTCGGAATTAATGAGGTAGAGGTGGAGCGGAGCCGGATGTGAGAGGTCTGAAATAG	622
DB	61	GACTCGGGAATTAATGAGGTAGAGGTGGAGCGGAGCCGGATGTGAGAGGTCTGAAATAG	120
QY	623	TCACATCGGGGAAATGATCGCCCTGTGTTGAAGCCCTTCTCATTTCCGATCGCTTT	682
DB	121	TCACATCGGGGAAATGATCGCCCTGTGTTGAAGCCCTTCTCATTTCCGATCGCTTT	180
QY	683	TTGGCCTTGATGATTTGAAATAAGTCTCTGTGACACAGATGACATGCTGTGCTGCAC	742
DB	181	TTGGCCTTGATGATTTGAAATAAGTCTCTGTGACACAGATGACATGCTGTGCTGCAC	240
QY	743	AGATCCTGTCACTGCTGCCATTTGAAATTTTTCATCATCGTCAATGGGATCATGTGAT	802
DB	241	AGATCCTGTCACTGCTGCCATTTGAAATTTTTCATCATCGTCAATGGGATCATGTGAT	300
QY	803	TGATATTAGACTGGCCATTTGCTGGGATCCACTTCGACTGCTCAGGAGTACAGAT	862
DB	301	TGATATTAGACTGGCCATTTGCTGGGATCCACTTCGACTGCTCAGGAGTACAGAT	360
QY	863	GTCCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACCGAGTCTCGGATGCA	922
DB	361	GTCCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACCGAGTCTCGGATGCA	420
QY	923	AAGACGGGAGGACGAGTACCCTGTGTCCGGGTGGTGGTGCAGAAATGCCGTCTCCAGG	982
DB	421	AAGACGGGAGGACGAGTACCCTGTGTCCGGGTGGTGGTGCAGAAATGCCGTCTCCAGG	480
QY	983	TGTTCAAGCTGCTGCTGGGAAGACCAATGTGCTCCGATGACATGGAAGGTCTACTAGCNA	1042
DB	481	TGTTCAAGCTGCTGCTGGGAAGACCAATGTGCTCCGATGACATGGAAGGTCTACTAGCNA	540
QY	1043	ATGTTGCTGCTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATACCTCAGAGTGA	1102
DB	541	ATGTTGCTGCTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATACCTCAGAGTGA	600
QY	1103	GCTCGCTGGAGGGGACGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCTTTGCCAGATG	1162
DB	601	GCTCGCTGGAGGGGACGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCTTTGCCAGATG	660
QY	1163	ACAAGGTGATGATTAACCACTAGTATATGTGAGGAGGAGTGTGCTCTGGCCAGG	1222
DB	661	ACAAGGTGATGATTAACCACTAGTATATGTGAGGAGGAGTGTGCTCTGGCCAGG	720
QY	1223	TGTTTACCTTGCAGTGCAGCTGTGGTTCATAGAGGGGCTACAGCTCACGCAATCGTGG	1282
DB	721	TGTTTACCTTGCAGTGCAGCTGTGGTTCATAGAGGGGCTACAGCTCACGCAATCGTGG	780
QY	1283	GTGGAAACATGCTCTTGCTCTCGAGTGGCCCTTGGCAGGCCAGCCCTTCAGTTCCAGGGCT	1342
DB	781	GTGGAAACATGCTCTTGCTCTCGAGTGGCCCTTGGCAGGCCAGCCCTTCAGTTCCAGGGCT	840
QY	1343	ACCACCTGTGCGGGGCTCTGTGATCAACGCGCCCTGTGAGTATCATCTGTGACACTGTG	1402
DB	841	ACCACCTGTGCGGGGCTCTGTGATCAACGCGCCCTGTGAGTATCATCTGTGACACTGTG	900
QY	1403	TTTATGACTTGTACCTCCCAAGTCAATGAGNACCATCAGGTTGGTCTAGTTTCCCTGTTGG	1462

DB	901	TTTATGACTTGTACCTCCCAAGTCATGGACCATCAGGTGGTCTAGTTTCCCTGTTGG	960
QY	1463	ACAATCCAGCCCCATCCACTTGTGTGGAGAAGATTGTCTACACAGCAAGTACAGCCAA	1522
DB	961	ACAATCCAGCCCCATCCACTTGTGTGGAGAAGATTGTCTACACAGCAAGTACAGCCAA	1020
QY	1523	AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTACGTTCAATGAAA	1582
DB	1021	AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTACGTTCAATGAAA	1080
QY	1583	TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGAGTGTCT	1642
DB	1081	TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGAGTGTCT	1140
QY	1643	GGAGCTCAGGATGGGGGCCACACAGGATGAGGTGACGCTCCCTCTCTCTGAACCAAG	1702
DB	1141	GGAGCTCAGGATGGGGGCCACACAGGATGAGGTGACGCTCCCTCTCTCTGAACCAAG	1200
QY	1703	CGGCGTCCCTTTGATTTCCAAAGATCTGCAACACAGGAGCGTGTACGGTGGCATCA	1762
DB	1201	CGGCGTCCCTTTGATTTCCAAAGATCTGCAACACAGGAGCGTGTACGGTGGCATCA	1260
QY	1763	TCTCCCTCTCATGCTCTGCGGGGCTACTGACGGGTGGGTGACACAGCTGCCAGGGG	1822
DB	1261	TCTCCCTCTCATGCTCTGCGGGGCTACTGACGGGTGGGTGACACAGCTGCCAGGGG	1320
QY	1823	ACAGGGGGGCCCCCTGGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGAGCGACCA	1882
DB	1321	ACAGGGGGGCCCCCTGGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGAGCGACCA	1380
QY	1883	GCTTTGGCATCGGCTGCGCAGAGGTGAAACAAGCTTGGGTGTACACCGTGTCACTCT	1942
DB	1381	GCTTTGGCATCGGCTGCGCAGAGGTGAAACAAGCTTGGGTGTACACCGTGTCACTCT	1440
QY	1943	TCCTGGAATGGAATCCACAGCAGATGAGAGAGACCTTAAACCTGAAAGAGAGGGGAC	2002
DB	1441	TCCTGGAATGGAATCCACAGCAGATGAGAGAGACCTTAAACCTGAAAGAGAGGGGAC	1500
QY	2003	AAGTAGCCACCTGAGTTCCTGAGGTGATGAGACAGCCGATCTCTCCCTGGACTCCCGT	2062
DB	1501	AAGTAGCCACCTGAGTTCCTGAGGTGATGAGACAGCCGATCTCTCCCTGGACTCCCGT	1560
QY	2063	GTAGGAACTTGACACAGAGACACCTCTGGAGCTCTGAGTTCGGGACCAAGTAGCAGG	2122
DB	1561	GTAGGAACTTGACACAGAGACACCTCTGGAGCTCTGAGTTCGGGACCAAGTAGCAGG	1620
QY	2123	CCGGAAGAGGCAACCTTCCATCTGATTCAGCAACAACCTTCAAGTGTCTTTTGT	2182
DB	1621	CCGGAAGAGGCAACCTTCCATCTGATTCAGCAACAACCTTCAAGTGTCTTTTGT	1680
QY	2183	TGTTTTTTTGGATGAGTCTGCTCTGTTGCCAGGCTGGAGTGGAGTGGCGAATCCC	2242
DB	1681	TGTTTTTTTGGATGAGTCTGCTCTGTTGCCAGGCTGGAGTGGAGTGGCGAATCCC	1740
QY	2243	TGCTCACTGACGCTCCGCTTCCCTGGTTCAGACGATCTCTTGGCTCAGCTTCCCACT	1800
DB	1741	TGCTCACTGACGCTCCGCTTCCCTGGTTCAGACGATCTCTTGGCTCAGCTTCCCACT	1860
QY	2303	AGCTGGGACCAAGAGTGGCGGCAACACCCAACTAATTTTTTGTATTTTTTAGTAGAGAC	2362
DB	1801	AGCTGGGACCAAGAGTGGCGGCAACACCCAACTAATTTTTTGTATTTTTTAGTAGAGAC	1860
QY	2363	AGGTTTTTCACTGTTGGCAGGCTCTCTCAACCCCTGACTCAAAATGATGTGCTGCTGC	2422
DB	1861	AGGTTTTTCACTGTTGGCAGGCTCTCTCAACCCCTGACTCAAAATGATGTGCTGCTGC	1920
QY	2423	TTTACGCTCCCAAGTGTGGGATTTACAGGATGGGCCACACGCTAGCCTCAGCTCC	2482
DB	1921	TTTACGCTCCCAAGTGTGGGATTTACAGGATGGGCCACACGCTAGCCTCAGCTCC	1980
QY	2483	TTTCTGATCTTCAATGAAGAAAGAGAGAGCAACTTCAAGGGGGGCTTTTCCCACTG	2542

Db 1981 TTTCTGATCTTCACTAAGAACAAAGAAGCAGCAACTTGCAAGGGCGCCTTTTCCCACTG 2040
Qy 2543 GTCCATCTGGTTTCTCTCCAGGGTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGT 2602
Db 2041 GTCCATCTGGTTTCTCTCCA-GGGTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGT 2099
Qy 2603 GACCTCAGTGCAGCAAGCCCAACAGCCACTCAGAAAAGCAGCCAGCCAGAAAGTGCA 2662
Db 2100 GACCTCAGTGCAGCAAGCCCAACAGCCACTCAGAAAAGCAGCCAGCCAGAAAGTGCA 2159
Qy 2663 GAATGCAGTCACTGCAGCTTTTTCATCTCTAGGACCAACCAACCCACCCCTTTCTAC 2722
Db 2160 GAATGCAGTCACTGCAGCTTTTTCATCTCTAGGACCAACCAACCCACCCCTTTCTAC 2219
Qy 2723 TTCCAAGACTTATTTTTCATCTCTAGGAGGTTAATCTAGGAATGACTCGTTTAAAGGCTTA 2782
Db 2220 TTCCAAGACTTATTTTTCATCTCTAGGAGGTTAATCTAGGAATGACTCGTTTAAAGGCTTA 2279
Qy 2783 TTTTTCATGATTTCTTTAGCATTTGGTGCTTGACGTATTATTGCTCTTGTGATTCCTCAAT 2842
Db 2280 TTTTTCATGATTTCTTTGAGCATTTGGTGCTTGACGTATTATTGCTCTTGTGATTCCTCAAT 2339
Qy 2843 AATATGTTTCTTCCCTCATWR 2864
Db 2340 AATATGTTTCTTCCCTCATWG 2361

RESULT 5
US-10-020-445A-68
; Sequence 68, Application US/10020445A
; Patent No. 6962797
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630F1C74
; CURRENT APPLICATION NUMBER: US/10/020.445A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy 503 ATGGGAAGCCAGTAACACTGTGGCCTACTATCTCTTCGGTGGCCATCTACATTTTGG 562
Db 1 ATGGGAAGCCAGTAACACTGTGGCCTACTATCTCTTCGGTGGCCATCTACATTTTGG 60

Qy 563 GACTCGGGAATTATGAGGTAGAGTGGAGGCGGAGCCGATGTGAGAGTCTTGAATAG 622
Db 61 GACTCGGGAATTATGAGGTAGAGTGGAGGCGGAGCCGATGTGAGAGTCTTGAATAG 120

Qy 623 TCACCATGGGGAAAAATGATCCGCTGCTGTGTTGAAGCCCTTCTCATTCGGATCGCTTT 682
Db 121 TCACCATGGGGAAAAATGATCCGCTGCTGTGTTGAAGCCCTTCTCATTCGGATCGCTTT 180

Qy 683 TTGGCCTTTGATGATTTGAAAAATAAGTCTCTGTTGCACACAGATGCATGTTGCTGCAC 742
Db 181 TTGGCCTTTGATGATTTGAAAAATAAGTCTCTGTTGCACACAGATGCATGTTGCTGCAC 240

Qy 743 AGATCCTGTCACTGCTGCCATTGAAGTTTTTCAATCATCGTATTGGGATCATTCGAT 802
Db 241 AGATCCTGTCACTGCTGCCATTGAAGTTTTTCAATCATCGTATTGGGATCATTCGAT 300

Qy 803 TGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGATGCTCAGGAGTACAGAT 862
Db 301 TGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGATGCTCAGGAGTACAGAT 360

Qy 863 GTCGCTCATCTTTAAGTGATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTGCA 922
Db 361 GTCGCTCATCTTTAAGTGATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTGCA 420

Qy 923 AAGACGGGGAGGACGAGTACCGCTGTGTCCGGTGGTGGTGCAGAAATGCCGTGCTCAGG 982
Db 421 AAGACGGGGAGGACGAGTACCGCTGTGTCCGGTGGTGGTGCAGAAATGCCGTGCTCAGG 480

Qy 983 TGTTCACAGCTGCTTCTGTGGAAAGACCATGTGCTCCGATGACTGGAAAGGCTCACTACGCA 1042
Db 481 TGTTCACAGCTGCTTCTGTGGAAAGACCATGTGCTCCGATGACTGGAAAGGCTCACTACGCA 540

Qy 1043 ATGTTGCTGTGCCCACTGGGTTTTCCCAAGCTATGTGAGTTTCAGATTAACCTCAGAGTGA 1102
Db 541 ATGTTGCTGTGCCCACTGGGTTTTCCCAAGCTATGTGAGTTTCAGATTAACCTCAGAGTGA 600

Qy 1103 GCTCCTGGAGGGGAGTTCGGGGAGGAGTTTGTGTCCATCGATCACTTTCGCCAGATG 1162
Db 601 GCTCCTGGAGGGGAGTTCGGGGAGGAGTTTGTGTCCATCGATCACTTTCGCCAGATG 660

Qy 1163 ACAAGTGACTGCAATTACACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCAG 1222
Db 661 ACAAGTGACTGCAATTACACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCAG 720

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Qy 1283 GTGGAACAATGTCTTGTCTCTCGCAGTGGCCCTTGGCAGGCCAGCTTCAAGTTCAGGGCT 1342
Db 781 GTGGAACAATGTCTTGTCTCTCGCAGTGGCCCTTGGCAGGCCAGCTTCAAGTTCAGGGCT 840

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Db 841 ACCACCTGTGGGGGCTCTGTCAATCAGCCCTGTGGATCATCACTGCTGCACACTGTG 900
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Db 901 TTTATGACTTGTACTCTCCCAAGTCTAGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGG 960
Qy 1463 ACAATCCAGCCCCATCCCACTTGTGGAGAGATTGCTACCAAGCAAGTACAGGCCAA 1522
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Qy 1583 TGATCCAGCTGTGTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAGTGTGCT 1642
Db 1081 TGATCCAGCTGTGTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAGTGTGCT 1140
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Db 1321 ACAGGGGGGCCCTCGTGTCTCAAGAGAGGAGCTGTGGAAGTTAGTGGAGCGACCA 1380
Qy 1883 GCTTTGGCATCGGCTGGCGAGAGGTGAACAGCTGGGGTGTACACCGTGTCACTCTCT 1942
Db 1381 GCTTTGGCATCGGCTGGCGAGAGGTGAACAGCTGGGGTGTACACCGTGTCACTCTCT 1440
Qy 1943 TCCTGGACTGATCCACAGCAGATGGAGAGAGACCTTAAACCTCTGAAGAGGAAGGGGAC 2002
Db 1441 TCCTGGACTGATCCACAGCAGATGGAGAGAGACCTTAAACCTCTGAAGAGGAAGGGGAC 1500
Qy 2003 AAGTAGCCACTGAGTTCTTGAGTGTATGAGACAGCCCGATCTCCCTGGACTCCCGT 2062
Db 1501 AAGTAGCCACTGAGTTCTTGAGTGTATGAGACAGCCCGATCTCCCTGGACTCCCGT 1560
Qy 2063 GTAGGAACCTGCACACAGCAGACACCTTTGGAGCTCTGAGTTCCGGCACCACTAGCAGG 2122
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Db 1801 AGCTGGAGCACAGGTGCCGCCACCAACCACTAATTTTGTATTTTGTATTTTGTAGTAGAC 1860
Qy 2363 AGGGTTTTCACCATGTTGGCCAGGCTCTCTCAACCCCTGACCTCAATGATGTCCTGC 2422
Db 1861 AGGGTTTTCACCATGTTGGCCAGGCTCTCTCAACCCCTGACCTCAATGATGTCCTGC 1920
Qy 2423 TTCAGCTCCACAGTGTGGGATTTACAGGCTGGGGCACCAAGCTAGCTCAGCTGCC 2482
Db 1921 TTCAGCTCCACAGTGTGGGATTTACAGGCTGGGGCACCAAGCTAGCTCAGCTGCC 1980

Qy 2483 TTTCTGATCTTCACTAAGAACAAAGACGACNACTTGCAGGGCGGCTTTTCCCACTG 2542
Db 1981 TTTCTGATCTTCACTAAGAACAAAGACGACNACTTGCAGGGCGGCTTTTCCCACTG 2040
Qy 2543 GTCCATCTGGTTTTCTCTCCAGGGTCTTGCAGAAATTTCTTGACGAGATAAGCAGTTATGT 2602
Db 2041 GTCCATCTGGTTTTCTCTCCA-GGGTCTTGCAAAATTTCTTGACGAGATAAGCAGTTATGT 2099
Qy 2603 GACCTCACTGTCAGAACCCACACAGCCACTTCAGAAAGACGACACAGCCAGAGTGA 2662
Db 2100 GACCTCACTGTCAGAACCCACACAGCCACTTCAGAAAGACGACACAGCCAGAGTGA 2159
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Db 2220 TTCCAAGACTTATTTTCCATGTGGGAGGTAAATCTAGGAATGACTCGTTTAAGGCTA 2279
Qy 2783 TTTTCATGATTTCTTTGTAGCATTTGGTGTCTGACGCTATTATTTGCTTTGATTTCCAAAT 2842
Db 2280 TTTTCATGATTTCTTTGTAGCATTTGGTGTCTGACGCTATTATTTGCTTTGATTTCCAAAT 2339
Qy 2843 AATATGTTTCTTCCCTCATWR 2864
Db 2340 AATATGTTTCTTCCCTCATTTG 2361

RESULT 6

US-09-518-046-1
; Sequence 1, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: In Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-518-046-1

Query Match 79.3%; Score 2337.2; DB 3; Length 2413;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 5; Gaps 4;
Qy 485 CAGGAAGGGCTGTGTTTATGGGAAGCCAGTAAACACTGTGGCCCTACTATCTTCCGTGG 544
Db 1 CGGGAAGGGCTGTGTTTATGGGAAGCCAGTAAACACTGTGGCCCTACTATCTTCCGTGG 60
Qy 545 TGCCATCTACATTTTGGGACTCGGGAAATATGAGGTAGAGGTGGAGCGGAGCCGGATG 604
Db 61 TGCCATCTACATTTTGGGACTCGGGAAATATGAGGTAGAGGTGGAGCGGAGCCGGATG 120
Qy 605 TCAGAGTCTGAAATAGTACCATGGGGAATATGATCCGCTGCTGTTGAAGCCCT 664
Db 121 TCAGAGTCTGAAATAGTACCATGGGGAATATGATCCGCTGCTGTTGAAGCCCT 180
Qy 665 TCTCATTTCCGATCGCTTTTGGGCTTGGATGATTTGAAAATAAGTCTTGTGACACAGATG 724
Db 181 TCTCATTTCCGATCGCTTTTGGGCTTGGATGATTTGAAAATAAGTCTTGTGACACAGATG 240

QY	725	CAGATGCTGTTGCTGCACAGATCCTGTCTCACTGCTGCCATT--GAAGTTTTTTTTTCCAAATCAT	782	1802	GCCTGGACAGCTGCCAGGGGACAGCGGGGGGGCCCCCTGGTGTGTCAAGAGAGAGGCTGT	1861
Db	241	CAGATGCTGTTGCTGCACAGATCCTGTCTCACTGCTGCCATTGGAAGTTTTTTTTTCCCAATCAT	300	1321	CGTGAACAGCTGCCAGGGGACAGCGGGGGGGCCCCCTGGTGTGTCAAGAGAGAGGCTGT	1380
QY	783	CGTCATT--GGGATCAATTCGATTTAGTATAGCACTGGCCATTGGTCTGGGCATCCACTTCG	841	1862	GGAAGTTAGTGGGAGCGACAGCTTTGGCATCGGCTGCGAGAGGTGAACAAAGCCCTGGGG	1921
Db	301	CGTCATTGGGATCAATTCGATTTAGTATAGCACTGGCCATTGGTCTGGGCATCCACTTCG	360	1381	GGAAGTTAGTGGGAGCGACAGCTTTGGCATCGGCTGCGAGAGGTGAACAAAGCCCTGGGG	1440
QY	842	ACTGCTCAGGGAAGTACAGATGCTCCTCATCTTTAAGTGTATCAGCTGATAGCTCGAT	901	1922	TGTACACCCGCTGTCACTCTCTTCTGGACTGGATCCACAGCAGATGGAGAGAGACCTTAA	1981
Db	361	ACTGCTCAGGGAAGTACAGATGCTCCTCATCTTTAAGTGTATCAGCTGATAGCTCGAT	420	1441	TGTACACCCGCTGTCACTCTCTTCTGGACTGGATCCACAGCAGATGGAGAGAGACCTTAA	1500
QY	902	GTGACGGAGTCTCGAATTCGAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTG	961	1982	AAACCTGAAAAGGAAGGGGACAAAGTAGCCACTGTGATCTTCTGAGGTGATGAAGACAGCCC	2041
Db	421	GTGACGGAGTCTCGAATTCGAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTG	480	1501	AAACCTGAAAAGGAAGGGGACAAAGTAGCCACTGTGATCTTCTGAGGTGATGAAGACAGCCC	1560
QY	962	GTGAGATGCCGTGCTCCAGGTGTTTACAGCTGCTTCTGTTGGAAGACCATGTGCTCCGATG	1021	2042	GATCTCCCTCCCTGGACTCCCGCTGTAGGAACCTGCACACGAGCAGACACCTCTGGAGCTCTG	2101
Db	481	GTGAGATGCCGTGCTCCAGGTGTTTACAGCTGCTTCTGTTGGAAGACCATGTGCTCCGATG	540	1561	GATCTCCCTCCCTGGACTCCCGCTGTAGGAACCTGCACACGAGCAGACACCTCTGGAGCTCTG	1620
QY	1022	ACTGGAAGGTCATCTACGGAATGTGCTGTGCCCACTGGGTTTCCCAAGCTATGTGA	1081	2102	AGTTCCGGCACCAGTAGCAGGCCCCGAAAAGAGGACCCCTTCCATCTGTATTCAGACCAACC	2161
Db	541	ACTGGAAGGTCATCTACGGAATGTGCTGTGCCCACTGGGTTTCCCAAGCTATGTGA	600	1621	AGTTCCGGCACCAGTAGCAGGCCCCGAAAAGAGGACCCCTTCCATCTGTATTCAGACCAACC	1680
QY	1082	GTTTCAGATAACCTCAGAGTGAGCTCGCTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCA	1141	2162	TTCAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGATGGAGTCTCGCTCTGTGTCGCCAGGCT	2221
Db	601	GTTTCAGATAACCTCAGAGTGAGCTCGCTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCA	660	1681	TTCAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGGTGGAGTCTCGCTCTGTGTCGCCAGGCT	1740
QY	1142	TCGATCACCTCTTGGCAGATGACAAAGGTGACTGCAATTAACACACTCAGTATATGTGAGGG	1201	2222	GGAGTGCAGTGGCGAAT--CCCTGCTCACTGCAGCTCCGCTTCCCTGCTTCAAGCGATT	2280
Db	661	TCGATCACCTCTTGGCAGATGACAAAGGTGACTGCAATTAACACACTCAGTATATGTGAGGG	720	1741	GGAGTGCAGTGGCGAATACCCCTGCTCACTGCAGCTCCGCTTCCCTGCTTCAAGCGATT	1800
QY	1202	AGGAGATGCTCTGCGCCACGTTGTTA CTTGCGAGTGCACGCCCTGTGTTCTATAGAGGG	1261	2281	CTCTTGCCTCAGCTTCCCAGTAGCTGGGACCAACAGGTGCCCGCCACCAACCTCAACTAA	2340
Db	721	AGGAGATGCTCTGCGCCACGTTGTTA CTTGCGAGTGCACGCCCTGTGTTCTATAGAGGG	780	1801	CTCTTGCCTCAGCTTCCCAGTAGCTGGGACCAACAGGTGCCCGCCACCAACCTCAACTAA	1860
QY	1262	GCTACAGCTCAGCATCGTGGGTGGAACATGCTTGTCTCTCGAGTGGCCCTGGCAGG	1321	2341	TTTTTGTATTTTTAGTAGAGACAGGGTTTACCATGTTGGCCAGGCTGTCTCAAAACCCC	2400
Db	781	GCTACAGCTCAGCATCGTGGGTGGAACATGCTTGTCTCTCGAGTGGCCCTGGCAGG	840	1861	TTTTTGTATTTTTAGTAGAGACAGGGTTTACCATGTTGGCCAGGCTGTCTCAAAACCCC	1920
QY	1322	CCAGCCTTCAGTTCCAGGGCTACCACTGTGGGGGGCTCTGTCTATCAGCCCTCTGTGGA	1381	2401	TGACCTCAATATGATGTGCTGCTTCCAGCTCCCAAGTCTGGGATTACAGGCATGGGGC	2460
Db	841	CCAGCCTTCAGTTCCAGGGCTACCACTGTGGGGGGCTCTGTCTATCAGCCCTCTGTGGA	900	1921	TGACCTCAATATGATGTGCTGCTTCCAGCTCCCAAGTCTGGGATTACAGGCATGGGGC	1980
QY	1382	TCATCATCTGTCACACTGTGTTTATGA CTTGTATCCTCCCAAGTATGGAACATCCAGG	1441	2461	ACCAAGCTTAGCTCTCAGCTCCTTCTGTATCTTCACTAAGAACAAAAGAGCAGCAACTT	2520
Db	901	TCATCATCTGTCACACTGTGTTTATGA CTTGTATCCTCCCAAGTATGGAACATCCAGG	960	1981	ACCAAGCTTAGCTCTCAGCTCCTTCTGTATCTTCACTAAGAACAAAAGAGCAGCAACTT	2040
QY	1442	TGGGTCTAGTTTCCCTGTTGGACATCCAGCCCAATCCCACTTGGTGGAGAGATTGTCT	1501	2521	GCAAGGGGGCCCTTTCCCACTGCTGCTTCTCTCAGGGGTCTTGCAAAATTC	2580
Db	961	TGGGTCTAGTTTCCCTGTTGGACATCCAGCCCAATCCCACTTGGTGGAGAGATTGTCT	1020	2041	GCAAGGGGGCCCTTTCCCACTGCTGCTTCTCTCAGGGGTCTTGCAAAATTC	2099
QY	1502	ACCACAGCAAGTACAAAGCAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCG	1561	2581	CTGACAGATAGCAGTTATGTGACTTCCAGTGCAGAGCCCAAGCAGCAGCTCAGAAA	2640
Db	1021	ACCACAGCAAGTACAAAGCAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCG	1080	2100	CTGACAGATAGCAGTTATGTGACTTCCAGTGCAGAGCCCAAGCAGCAGCTCAGAAA	2159
QY	1562	GGCCACTCAGTTTCAATGAATGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAACT	1621	2641	GAGGCACAGCCCGCAGAGTGCAGAACTGCAGTCACTGCAGCTTCTCTTAGGAGCCA	2700
Db	1081	GGCCACTCAGTTTCAATGAATGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAACT	1140	2160	GAGGCACAGCCCGCAGAGTGCAGAACTGCAGTCACTGCAGCTTCTCTTAGGAGCCA	2219
QY	1622	TCCCGATGGAAGTGTGTGACGTGAGATGGGGGGCCACAGAGATGGAGGTGAGC	1681	2701	GAACAAAACCCACCTTTCTACTTCCAGACTTATTTTCCATGTGGGAGGTAACTTA	2760
Db	1141	TCCCGATGGAAGTGTGTGACGTGAGATGGGGGGCCACAGAGATGGAGGTGAGC	1200	2220	GAACAAAACCCACCTTTCTACTTCCAGACTTATTTTCCATGTGGGAGGTAACTTA	2279
QY	1682	CCTCCCTGCTCTGGAACACGGGGCGCTCCCTTGTGATTTCCAAAGATCTGCAACACA	1741	2761	GGAATGACTCGTTTAAAGGCTTATTTTCTGATGTTCTTTGTAGCATTTGGTGTGAGCTA	2820
Db	1201	CCTCCCTGCTCTGGAACACGGGGCGCTCCCTTGTGATTTCCAAAGATCTGCAACACA	1260	2280	GGAATGACTCGTTTAAAGGCTTATTTTCTGATGTTCTTTGTAGCATTTGGTGTGAGCTA	2339
QY	1742	GGGACGTGTACGGTGGCATCATCTCCCTCCCTTCCATGCTCTGCGGGGCTACCTGACGGGTG	1801	2821	TTATTTGCTCTTTGATTTCCAAATAATATGTTTCTTCTCCCTCATWRAAAAAA	2880
Db	1261	GGGACGTGTACGGTGGCATCATCTCCCTCCCTTCCATGCTCTGCGGGGCTACCTGACGGGTG	1320	2340	TTATTTGCTCTTTGATTTCCAAATAATATGTTTCTTCTCCCTCATWRAAAAAA	2399
				2881	AAAAARRRRR	2890


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|||||.....
Db      2400 AAAAAAAAAA 2409

RESULT 7
US-09-650-371-1
; Sequence 1, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Sexine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650.371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-650-371-1

Query Match      79.3%; Score 2337.2; DB 3; Length 2413;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 5; Gaps 4;

Qy      485 CAGGAAGGGGTGTTTATGGGAAGCCAGTAACACATGTGTGGCCCTACTATCTCTCCGTGG 544
Db      1   CGGGAAGGGGTGTTTATGGGAAGCCAGTAACACATGTGTGGCCCTACTATCTCTCCGTGG 60

Qy      545 TGCCATCTACATTTTGGGACTCGGGAATTATAGGTAGAGTGGAGCGGAGCCGGATG 604
Db      61 TGCCATCTACATTTTGGGACTCGGGAATTATAGGTAGAGTGGAGCGGAGCCGGATG 120

Qy      605 TCAGAGGTCTCGAATAGTCAACCATGGGGGAAAAATGATCCGCCCTGCTGTGTAAGCCCCCT 664
Db      121 TCAGAGGTCTCGAATAGTCAACCATGGGGGAAAAATGATCCGCCCTGCTGTGTAAGCCCCCT 180

Qy      665 TCTCATTCGGATCGCTTTTGGCCTTGATGATTTGAAAAATAGTCCCTGTGTGCACACAGATG 724
Db      181 TCTCATTCGGATCGCTTTTGGCCTTGATGATTTGAAAAATAGTCCCTGTGTGCACACAGATG 240

Qy      725 CAGATGCTGTGTGTCACAGATCCTGTACCTGCTGCCATT--GAAGTTTTTCCCAATCAT 782
Db      241 CAGATGCTGTGTGTCACAGATCCTGTACCTGCTGCCATTGGAAGTTTTTCCCAATCAT 300

Qy      783 CGTCATT--GGGATCATTGCAATTGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCG 841
Db      301 CGTCATTGGGATCATTGCAATTGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCG 360

Qy      842 ACTGCTCAGGGAAGTACAGATGTCGCTCATCCTTTAAGTGTATCGAGCTGATAGCTGAT 901
Db      361 ACTGCTCAGGGAAGTACAGATGTCGCTCATCCTTTAAGTGTATCGAGCTGATAGCTGAT 420

Qy      902 GTGACGGAGTCTCGGATTCGAAGACGGGGAGGACGATACCGCTGTGTCGGGTGGGTG 961
Db      421 GTGACGGAGTCTCGGATTCGAAGACGGGGAGGACGATACCGCTGTGTCGGGTGGGTG 480

Qy      962 GTCAGAAATGCCGTGCTCCAGGTGTTTCAGAGTGTCTGTTGGAAGACCATGTGCTCCGATG 1021
Db      481 GTCAGAAATGCCGTGCTCCAGGTGTTTCAGAGTGTCTGTTGGAAGACCATGTGCTCCGATG 540

Qy      1022 ACTGGAAGGGTCACTACGCAAAATGTTGCTGTGCCCAACTGGGTGTTTCCCAAGCTATGTGA 1081
Db      541 ACTGGAAGGGTCACTACGCAAAATGTTGCTGTGCCCAACTGGGTGTTTCCCAAGCTATGTGA 600

Qy      1082 GTTCAGATAACCTCAGAGTGAGCTCGCTGGAGGGGCGAGTTCGGGAGGAGTTTGTGTCCA 1141
Db      601 GTTCAGATAACCTCAGAGTGAGCTCGCTGGAGGGGCGAGTTCGGGAGGAGTTTGTGTCCA 660

1142 TCGATCACCTCTTGGCCAGATGACAAGGTGACTGTCATTACACCACTCATAGTATATGTGAGGG 1201
661 TCGATCACCTCTTGGCCAGATGACAAGGTGACTGTCATTACACCACTCATAGTATATGTGAGGG 720

1202 AGGGATGTGCTCTGGCCAGCTGGTTACCTTGGAGTGCACAGCCTGTGGTTCATAGAAGGG 1261
721 AGGGATGTGCTCTGGCCAGCTGGTTACCTTGGAGTGCACAGCCTGTGGTTCATAGAAGGG 780

1262 GCTACAGCTCACGCATCGTGGGTGGAACAATGTCTTGTCTCTCGACGTGGCCCTGGCAGG 1321
781 GCTACAGCTCACGCATCGTGGGTGGAACAATGTCTTGTCTCTCGACGTGGCCCTGGCAGG 840

1322 CCAGCCTTTCAGTTCACAGGCTTACCACTGTGTGGGGGGCTGTGTATCATCGCCCCCTGTGA 1381
841 CCAGCCTTTCAGTTCACAGGCTTACCACTGTGTGGGGGGCTGTGTATCATCGCCCCCTGTGA 900

1382 TCATCACTGTGCACACTGTGTTTATGACTTGTACCTTCCCAAGTTCATGGAACCATCCAGG 1441
901 TCATCACTGTGCACACTGTGTTTATGACTTGTACCTTCCCAAGTTCATGGAACCATCCAGG 960

1442 TGGGTCTAGTTTCCCTGTGTGGAACAATCCAGCCCCCATCCCACTTGGTGGAGAAGATTGTCT 1501
961 TGGGTCTAGTTTCCCTGTGTGGAACAATCCAGCCCCCATCCCACTTGGTGGAGAAGATTGTCT 1020

1502 ACCACAGCAAGTACAGCCAAAAGAGGTGGGCAATGATCGCCCTTATGAAGCTGGCCG 1561
1021 ACCACAGCAAGTACAGCCAAAAGAGGTGGGCAATGATCGCCCTTATGAAGCTGGCCG 1080

1562 GGCCACTCAGTTTCAATGAATGATCCAGCTGTGTGCTGCTGCCCAACTCTGGAAGAGACT 1621
1081 GGCCACTCAGTTTCAATGAATGATCCAGCTGTGTGCTGCTGCCCAACTCTGGAAGAGACT 1140

1622 TCCCGGATGGAAGAAGTGTGTGGAACGTGAGATGGGGGGGCGACAGAGGATGGAGGTGACG 1681
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1682 CTTCCCTCTGCTGTAACCAACGCGGCCCTGCTCTTTGATTTTCCAAAGATCTGCAACACA 1741
1201 CTTCCCTCTGCTGTAACCAACGCGGCCCTGCTCTTTGATTTTCCAAAGATCTGCAACACA 1260

1742 GGGACGTGTACGTTGGCATCATCTCCCTCTCCATGCTCTGCGGGGGTACTCTGACGGGTG 1801
1261 GGGACGTGTACGTTGGCATCATCTCCCTCTCCATGCTCTGCGGGGGTACTCTGACGGGTG 1320

1802 GCGTGGACAGCTGCCAGGGGACAGCGGGGGGCGCCCTGGTGTGTCAAGAGAGGAGGCTGT 1861
1321 GCGTGGACAGCTGCCAGGGGACAGCGGGGGGCGCCCTGGTGTGTCAAGAGAGGAGGCTGT 1380

1862 GGAAGTTAGTGGAGGACACAGCTTTGGCATCGGCTCGCAGAGGTGAAACAAGCTCGGG 1921
1381 GGAAGTTAGTGGAGGACACAGCTTTGGCATCGGCTCGCAGAGGTGAAACAAGCTCGGG 1440

1922 TGTACACCGTGTACCTCTTCTGTGCACTGGATTCACAGAGCAGATGGAGAGACCTTAA 1981
1441 TGTACACCGTGTACCTCTTCTGTGCACTGGATTCACAGAGCAGATGGAGAGACCTTAA 1500

1982 AAACCTGAAAGGAAAGGGGACAAAGTAGCCACCTGAGTTCTGTAGGTGATGAAGACAGGCC 2041
1501 AAACCTGAAAGGAAAGGGGACAAAGTAGCCACCTGAGTTCTGTAGGTGATGAAGACAGGCC 1560

2042 GATCCTCCCTGGACTCCCGGTAGGAACCTGTGCAACAGAGCAGACAACCTTGGAGCTGTG 2101
1561 GATCCTCCCTGGACTCCCGGTAGGAACCTGTGCAACAGAGCAGACAACCTTGGAGCTGTG 1620

2102 AGTTCCGGCACCAGTAGCAGCCCGGAAAGGGACCTCTCCATCTGATTCAGACACACACC 2161
1621 AGTTCCGGCACCAGTAGCAGCCCGGAAAGGGACCTCTCCATCTGATTCAGACACACACC 1680

2162 TTCAAGCTGCTTTTGTGTTTTTGTGTTTTTGAATGGAGTGTCTCGCTCTGTTTGGCCAGGCT 2221
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Db 1681 TTCAAGCTGCTTTTGTGTTTTTTTGTGAGGTGAGTCTGCTCTGTGTTGCCAGGCT 1740
Qy 2222 GGAGTGCAGTGGCGAAAT-CCCTGCTCACTGAGGCTCGCTTCCCTGGTTCAAGCGATT 2280
Db 1741 GGAGTGCAGTGGCGAAATACCTGCTCACTGAGGCTCCGCTTCCCTGGTTCAAGCGATT 1800
Qy 2281 CTCCTGCTCAGCTTCCCGAGTAGCTGGGACACAGAGTGGCCGCCACACACACCACTAA 2340
Db 1801 CTCCTGCTCAGCTTCCCGAGTAGCTGGGACACAGAGTGGCCGCCACACACCACTAA 1860
Qy 2341 TTTTGTATTTTGTAGAGACAGGTTTACCAATGTTGGCCAGGCTGCTCTCAAAACCC 2400
Db 1861 TTTTGTATTTTGTAGAGACAGGTTTACCAATGTTGGCCAGGCTGCTCTCAAAACCC 1920
Qy 2401 TGACCTCAAAATGATGCTGCTTCCAGCTCCACAGTGGGATTCAGGCGATGGCC 2460
Db 1921 TGACCTCAAAATGATGCTGCTTCCAGCTCCACAGTGGGATTCAGGCGATGGCC 1980
Qy 2461 ACCAGCTTAGCTCAGCTCCTTCTGATCTTCACTAAGAACAAAAAGAGCAGCACTT 2520
Db 1981 ACCAGCTTAGCTCAGCTCCTTCTGATCTTCACTAAGAACAAAAAGAGCAGCACTT 2040
Qy 2521 GCAAGGGCGGCTTTCCCACTGGTCCATCTGCTTTCTCTCAGGGGCTTGCAAAATTC 2580
Db 2041 GCAAGGGCGGCTTTCCCACTGGTCCATCTGCTTTCTCTCCA-GGGTCTTGCAAAATTC 2099
Qy 2581 CTGACGAGATAAGCAGTATGATGACTCAGCTGCGAAGCCACACAGCCACTCAGAAA 2640
Db 2100 CTGACGAGATAAGCAGTATGATGACTCAGCTGCGAAGCCACACAGCCACTCAGAAA 2159
Qy 2641 GACGACACAGCCAGAGTGCAAGTGCAGTGCAGTGCAGTGTTCATCTCTAGGGACCA 2700
Db 2160 GACGACACAGCCAGAGTGCAAGTGCAGTGCAGTGCAGTGTTCATCTCTAGGGACCA 2219
Qy 2701 GAACAAACCCACCTTTCTACTTCCAGACTTATTTTCACTGATGGGGAGGTTAATCTA 2760
Db 2220 GAACAAACCCACCTTTCTACTTCCAGACTTATTTTCACTGATGGGGAGGTTAATCTA 2279
Qy 2761 GAAATGACTCGTTTAAAGGCTATTTTCATGATTTCTTGTAGCATTTGCTGCTGACGTA 2820
Db 2280 GAAATGACTCGTTTAAAGGCTATTTTCATGATTTCTTGTAGCATTTGCTGCTGACGTA 2339
Qy 2821 TTATGTCCTTGATTTCCAAATAATGTTTCTTCCCTCATWRAAAAAA 2880
Db 2340 TTATGTCCTTGATTTCCAAATAATGTTTCTTCCCTCATWRAAAAAA 2399
Qy 2881 AAAARRMR 2890
Db 2400 AAAAAAAAAA 2409

RESULT 8
US-09-261-416-1
; Sequence 1, Application US/09261416A
; Patent No. 6291663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
; TITLE OF INVENTION: Overexpressed in Ovarian Carcinoma
; FILE REFERENCE: D6192
; CURRENT APPLICATION NUMBER: US/09/261,416A
; CURRENT FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 1
; LENGTH: 2416
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: 144..1511
; OTHER INFORMATION: CDS
US-09-261-416-1

Query Match 78.4%; Score 2311; DB 3; Length 2416;
Best Local Similarity 98.7%; Pred. No. 0;
Matches 2382; Conservative 9; Mismatches 14; Indels 8; Gaps 6;
Qy 485 CAGAAAAGGGCTGTTTATGGGAAGCCAGTAACACTGTGGCCTACTATCTCTTCCTGG 544
Db 1 CGGAAAAGGGCTGTTTATGGGAAGCCAGTAACACTGTGGCCTACTATCTCTTCCTGG 60
Qy 545 TGCCATCTACATTTTGGGACTCGGGAATTTATAGGTAGAGGTGGAGCGGAGCGGATG 604
Db 61 TGCCATCTACATTTTGGGACTCGGGAATTTATAGGTAGAGGTGGAGCGGAGCGGATG 120
Qy 605 TCAGAGTCTCGAAATAGTCAACATGGGGGAAATGATCCGCTGCTGCTTGAAGCCCT 664
Db 121 TCAGAGTCTCGAAATAGTCAACATGGGGGAAATGATCCGCTGCTGCTTGAAGCCCT 180
Qy 665 TCTCATTTCCGATCCGCTTTTGGCCCTTGATGATTTGAAATAAGTCTCTGACACAGATG 724
Db 181 TCTCATTTCCGATCCGCTTTTGGCCCTTGATGATTTGAAATAAGTCTCTGACACAGATG 240
Qy 725 CAGATGCTGTGTGTCACAGATCCCTGTCACCTGCTGCCATTGAAAGTTTTCCTCAAT 782
Db 241 CAGATGCTGTGTGTCACAGATCCCTGTCACCTGCTGCCATTGAAAGTTTTCCTCAAT 300
Qy 783 CGTCATT-GGGATCAATTCATTTAGTATTTAGCACTGGCCATTGGTCTGGCATCCATTGG 841
Db 301 CGTCATTGGGATCAATTCATTTAGTATTTAGCACTGGCCATTGGTCTGGCATCCATTGG 360
Qy 842 ACTGCTCAGGNAAGTACAGATGTCGCTCATCTTTTAAAGTGTATCAGCTGATAGCTCGAT 901
Db 361 ACTGCTCAGGNAAGTACAGATGTCGCTCATCTTTTAAAGTGTATCAGCTGATAGCTCGAT 420
Qy 902 GTGACGAGTCTCGAATTCGAAAGACGGGAGGACGATACCGCTGTGTCCGGGTGGGTG 961
Db 421 GTGACGAGTCTCGAATTCGAAAGACGGGAGGACGATACCGCTGTGTCCGGGTGGGTG 480
Qy 962 GTCAAGATGCCGTGCTCCAGGTGTTCAAGCTGTCTGTTGGGAAGACCATGTGCTCCGATG 1021
Db 481 GTCAAGATGCCGTGCTCCAGGTGTTCAAGCTGTCTGTTGGGAAGACCATGTGCTCCGATG 540
Qy 1022 ACTGAAAGGTCACTACGCAATGTTGCTGTGCCAACTGGGTTTCCCAAGCTATGTGA 1081
Db 541 ACTGAAAGGTCACTACGCAATGTTGCTGTGCCAACTGGGTTTCCCAAGCTATGTGA 600
Qy 1082 GTTCAGATAAACCCTCAGAGTGAGTCTGCTGGAGGGCAGTTCCGGGAGGAGTTTGTGTCCA 1141
Db 601 GTTCAGATAAACCCTCAGAGTGAGTCTGCTGGAGGGCAGTTCCGGGAGGAGTTTGTGTCCA 660
Qy 1142 TCGATCACCTCTTGGCAGATGACAAAGGTGACTGCAATTAACCACTCAGTATATGTGAGG 1201
Db 661 TCGATCACCTCTTGGCAGATGACAAAGGTGACTGCAATTAACCACTCAGTATATGTGAGG 720
Qy 1202 AGGGATGTCCTCTGGCCACGTTGCTTACCTGACGTGACAGCCTGTGTGCTATAGAAGG 1261
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Db 781 GCTACAGCTCAGCATCGTGGGTGAAACATGCTCTGCTCGCAGTGGCCCTTGGCAGG 840
Qy 1322 CCAGCCTTCAGTTCAGGGCTACCACTGTGCGGGGGCTCTGTCTATCAGCCCTCTGGA 1381
Db 841 CCAGCCTTCAGTTCAGGGCTACCACTGTGCGGGGGCTCTGTCTATCAGCCCTCTGGA 900
Qy 1382 TCATCACTGCTGACACTGTGTTTATGACTTGTACCTCCCAAGTTCAGACCATCCAGG 1441
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Qy 1442 TGGGTCTAGTTTCCCTGTTGGACATCCAGCCCACTCCCACTTGGTGGAGAGATGTCT 1501
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Qy 1502 ACCACAGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCG 1561

Db 301 CGTCATTGGGATCAATTGATATTAAGACATGGCCATTGGTCTGGGCATCCACTTCG 360
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Db 361 ACTGCTCAGGGAAGTACAGATGTCCTCATCTTTAAGTGTATCGAGCTGATAGTCGAT 420
Qy 902 GTGACGAGTCTCGGATTGCAAGACCGGGAGGACGAGTACCGTGTGTCCGGGTGGGTG 961
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Db 541 ACTGGAAGGTCACCTACGCAATGTTGCTGTGCCCACTGGGTTCCCAAGCTATGTA 600
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Db 661 TCGATCACTCTTGCAGATGACAAAGGTGACTGCAATTAACAACCTCACTATATGTGAGGG 720
Qy 1202 AGGAGTGTCTCTGCGCCACGTGGTTACCTTTCAGTGCACGCTGTGCTATAGAAGGG 1261
Db 721 AGGAGTGTCTCTGCGCCACGTGGTTACCTTTCAGTGCACGCTGTGCTATAGAAGGG 780
Qy 1262 GCTACAGCTCAGGCATCGTGGGTGGAACATGTCTTCTGCTCGCAGTGGGCTTGGCAGG 1321
Db 781 GCTACAGCTCAGGCATCGTGGGTGGAACATGTCTTCTGCTCGCAGTGGGCTTGGCAGG 840
Qy 1322 CCAGGCTTTCAGTTCAGGCTACCACTGTGCGGGGCTGTGTATCAACGCTTGTGGA 1381
Db 841 CCAGGCTTTCAGTTCAGGCTACCACTGTGCGGGGCTGTGTATCAACGCTTGTGGA 900
Qy 1382 TCATCACTGTCTGACACTGTGTTTATGA----- 1409
Db 901 TCATCACTGTCTGACACTGTGTTTATGAATTTAGTCTCTTAGAGAAAGGGCAGAGAA 960
Qy 1410 ----- 1409
Db 961 GAGGAAGGAAGCTCTGTGCTGGAGGAACCCACAAAATGAAGGACCTAGACCTTCCC 1020
Qy 1410 -----CTTGTACCTCCCAAGTCATG 1430
Db 1021 ATAGCTAATTCAGTGGACCATGTTATGGCAGATACAGGCTTTGTACCTCCCAAGTCATG 1080
Qy 1431 GACCATCCAGGTGGGTCTAGTTTCCCTGTGTGGAACAATCAGCCCAATCCCACTTGTGGA 1490
Db 1081 GACCATCCAGGTGGGTCTAGTTTCCCTGTGTGGAACAATCAGCCCAATCCCACTTGTGGA 1140
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Db 1141 GAAGATTGTCTACCAAGCAAGTACAAAGCAAGAGGCTGGGCAATGACATGCCCTTAT 1200
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Db 1201 GAAGCTGGCGGCGCACTCACTGTTCAATGAATGATCCAGCCTGTGTGCTGCCCACTC 1260
Qy 1611 TGAAGAGAACTTCCCGCATGGAAGTGTGTGAGAGTGTGAGAGTGGGGGCGCACAGAGA 1670
Db 1261 TGAAGAGAACTTCCCGCATGGAAGTGTGTGAGAGTGTGAGAGTGGGGGCGCACAGAGA 1320
Qy 1671 TGGAGGTGAGCCTCCCTGCTGCTGAACCAAGCGGCGCTCCCTTTCATTTTCCAAAGAT 1730
Db 1321 TGGAGGTGAGCCTCCCTGCTGCTGAACCAAGCGGCGCTCCCTTTCATTTTCCAAAGAT 1380
Qy 1731 CTGCAACCAAGGAGAGTGTACGGTGGCATCATCTCCCGCTCCATGCTCTGCGCGGGCTA 1790
Db 1381 CTGCAACCAAGGAGAGTGTACGGTGGCATCATCTCCCGCTCCATGCTCTGCGCGGGCTA 1440

Qy 1791 CCTGACGGGTGGGTGAGCAGCTGCTCCAGGGGACAGCGGGGGGCCCTGTGTGTCAAGA 1850
Db 1441 CCTGACGGGTGGGTGAGCAGCTGCTCCAGGGGACAGCGGGGGGCCCTGTGTGTCAAGA 1500
Qy 1851 GAGGAGCTGTGGAAGTGTAGTGGGAGCAGCAGCTTTGGCATCGGCTGCGCAGAGGTCAA 1910
Db 1501 GAGGAGCTGTGGAAGTGTAGTGGGAGCAGCAGCTTTGGCATCGGCTGCGCAGAGGTCAA 1560
Qy 1911 CAAGCCTGGGTGTACACCCGTGTACCTCTCTGGACTGGATCCACAGCAGATGGA 1970
Db 1561 CAAGCCTGGGTGTACACCCGTGTACCTCTCTGGACTGGATCCACAGCAGATGGA 1620
Qy 1971 GAGAGACCTTAAAAACCTGAAAAAGGAGGGAAGTAGCCACTGTAGTTCTGAGGTGAT 2030
Db 1621 GAGAGACCTTAAAAACCTGAAAAAGGAGGGAAGTAGCCACTGTAGTTCTGAGGTGAT 1680
Qy 2031 GAAGACAGCCGATCTCCCTCTGACTCCCGTGTAGNAACCTGACACAGCAGACACCCC 2090
Db 1681 GAAGACAGCCGATCTCCCTCTGACTCCCGTGTAGNAACCTGACACAGCAGACACCCC 1740
Qy 2091 TTGGAGCTCTGAGTTCCGGCACCACTAGTAGCGGCCGGAAGAGGACCCCTTCCATCTGAT 2150
Db 1741 TTGGAGCTCTGAGTTCCGGCACCACTAGTAGCGGCCGGAAGAGGACCCCTTCCATCTGAT 1800
Qy 2151 CCAGCACAACTTCAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGATGAGTCTGCTCTG 2210
Db 1801 CCAGCACAACTTCAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGTGTGAGTCTGCTCTG 1860
Qy 2211 TTGCCAGGCTGGAGTGCAGTGGCGAAT-CCCTGCTCACTGACGCTCCGCTTCCCTGG 2269
Db 1861 TTGCCAGGCTGGAGTGCAGTGGCGAATATACCTGCTCACTGACGCTCCGCTTCCCTGG 1920
Qy 2270 TTCAAGCGATCTCTTGGCTCAGCTTCCAGTAGTGGGACCAAGAGTGGCCGACCA 2329
Db 1921 TTCAAGCGATCTCTTGGCTCAGCTTCCAGTAGTGGGACCAAGAGTGGCCGACCA 1980
Qy 2330 CACCCAACTAATTTTGTATTTTAGTAGAGACAGGTTTCAACATGTGGCCAGGCTGC 2389
Db 1981 CACCCAACTAATTTTGTATTTTAGTAGAGACAGGTTTCAACATGTGGCCAGGCTGC 2040
Qy 2390 TCTCAACCCCTGACCTCAAAATGATGCTGCTTCCAGCTCCCAAGTGTGGGATATAC 2449
Db 2041 TCTCAACCCCTGACCTCAAAATGATGCTGCTTCCAGCTCCCAAGTGTGGGATATAC 2100
Qy 2450 AGGATGGGCGCACCAAGCTAGCTTCAAGCTTCTGTGATCTTCACTAAGAAACAAAGA 2509
Db 2101 AGGATGGGCGCACCAAGCTAGCTTCAAGCTTCTGTGATCTTCACTAAGAAACAAAGA 2160
Qy 2510 AGCAGCAACTTGAAGGGGGCTTTCCACTGGTCCATCTGTGTTTCTCTCCA-GGGTC 2569
Db 2161 AGCAGCAACTTGAAGGGGGCTTTCCACTGGTCCATCTGTGTTTCTCTCCA-GGGTC 2219
Qy 2570 TTGCAAAATCTCTGACGAGATAAGCAGTTATGTGACCTCAAGTGGGAGGACCAAGC 2629
Db 2220 TTGCAAAATCTCTGACGAGATAAGCAGTTATGTGACCTCAAGTGGGAGGACCAAGC 2279
Qy 2630 CACTCAGAAAGACGACCAAGCCAGAGTAGTGAACCTGACAGTGGGAGGACCAAGC 2689
Db 2280 CACTCAGAAAGACGACCAAGCCAGAGTAGTGAACCTGACAGTGGGAGGACCAAGC 2339
Qy 2690 TCTGGGAGCAGAAACCAACCCCTTTCTACTTCCAAAGACTTATTTTCAATGTGGGG 2749
Db 2340 TTTAGGAGCAGAAACCAACCCCTTTCTACTTCCAAAGACTTATTTTCAATGTGGGG 2399
Qy 2750 AGGTTAACTAGGAATGACTCGTTTAAAGGCTTATTTTCAATGTGTTTGTAGCATTTGG 2809
Db 2400 AGGTTAACTAGGAATGACTCGTTTAAAGGCTTATTTTCAATGTGTTTGTAGCATTTGG 2459
Qy 2810 TGTTCAGCTATATTTGCTTTGATCCAAATAATGTTTCTTCCCTCATWRAAAA 2869
Db 2460 TGTTCAGCTATATTTGCTTTGATCCAAATAATGTTTCTTCCCTCATWRAAAA 2519

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Qy 2870 AAAAAAAAAAAAAAAAARRMR 2890
Db 2520 AAAAAAAAAAAAAAAAAA 2540

RESULT 10
US-09-650-371-3
; Sequence 3, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-650-371-3

Query Match 74.5%; Score 2196.2; DB 3; Length 2544;
Best Local Similarity 93.8%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 136; Gaps 5;

Qy 485 CAGAAAGGCTGTGTTATGGGAAGCCAGTAAACACTGTGGCCCTACTATCTCTCCGTGG 544
Db 1 CCGGAAAGGCTGTGTTATGGGAAGCCAGTAAACACTGTGGCCCTACTATCTCTCCGTGG 60

Qy 545 TGCCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGAGCCGATG 604
Db 61 TGCCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGAGCCGATG 120

Qy 605 TCAGAGTCTCTGAATAGTACCACTGGGGAATATGATCGCCCTGCTGTTGAGCCCCCT 664
Db 121 TCAGAGTCTCTGAATAGTACCACTGGGGAATATGATCGCCCTGCTGTTGAGCCCCCT 180

Qy 665 TCTCATTCGATCGCTTTTGGCCCTTGATGATTTGAAAAATAAGTCTGTTGCACCATG 724
Db 181 TCTCATTCGATCGCTTTTGGCCCTTGATGATTTGAAAAATAAGTCTGTTGCACCATG 240

Qy 725 CAGATGCTGTGTCACAGATCTCTGCTCACTGCTGCCATT--GAAAGTTTTCCAATCAT 782
Db 241 CAGATGCTGTGTCACAGATCTCTGCTCACTGCTGCCATTGAAAGTTTTCCAATCAT 300

Qy 783 CGTCATT--GGGATCATTTGCATTGATATTAGCACTGGCCATTGGTCTGGGATCCACATCG 841
Db 301 CGTCATTGGGATCATTTGCATTGATATTAGCACTGGCCATTGGTCTGGGATCCACATCG 360

Qy 842 ACTGCTCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGAT 901
Db 361 ACTGCTCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAAATCGAT 420

Qy 902 GTGACGAGTCTCGGATTCGAAAGCGGGAGGACGAGTACCGCTGTGTCGGGTGGGTG 961
Db 421 GTGACGAGTCTCGGATTCGAAAGCGGGAGGACGAGTACCGCTGTGTCGGGTGGGTG 480

Qy 962 GTCAGAAATGCGTCTCCAGTGTTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATG 1021
Db 481 GTCAGAAATGCGTCTCCAGTGTTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATG 540

Qy 1022 ACTGGAAGGTCACTACGCAAAATGTTGCCCTGTGCCCCAACTGGGTTTCCCAAGCTATGTA 1081
Db 541 ACTGGAAGGTCACTACGCAAAATGTTGCCCTGTGCCCCAACTGGGTTTCCCAAGCTATGTA 600
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1681 GAAGACAGCCGATCTCCCTCGACTCCCGTAGGAACCTGCACAGCAGACACCC 1740
2091 TTGAGCTCTGAGTTCCGCGACAGTAGACAGCCGCGAAAGAGGACCCCTTCCATCTGATT 2150
1741 TTGAGCTCTGAGTTCCGCGACAGTAGAGCGGCGCGAAAGAGGACCCCTTCCATCTGATT 1800
2151 CCAGCACAACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGTTTGTGATGAGTCTCGCTCTG 2210
1801 CCAGCACAACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGTTTGTGATGAGTCTCGCTCTG 1860
2211 TTGCCAGGCTGGAGTGCAGTGGCGAAAT-CCCTGCTCACTGCAGCCTCCGCTTCCCTGG 2269
1861 TTGCCAGGCTGGAGTGCAGTGGCGAAATACCTGCTCACTGCAGCCTCCGCTTCCCTGG 1920
2270 TTCAAGCGATTCTTTGCTCAGCTTCCCGTAGTCCGAGACCAAGAGTGGCGCCACCA 2329
1921 TTCAAGCGATTCTTTGCTCAGCTTCCCGTAGTCCGAGACCAAGAGTGGCGCCACCA 1980
2330 CACCCAACTAATTTTGTATTTTGTATGATAGACAGGTTTACCATGTTGGCCAGGCTGC 2389
1981 CACCCAACTAATTTTGTATTTTGTATGATAGACAGGTTTACCATGTTGGCCAGGCTGC 2040
2390 TCTCAAAACCCCTGACTCAAAATGATGTGCTCTGCTTCCAGCTCCCAAGTGTGGGATTAC 2449
2041 TCTCAAAACCCCTGACTCAAAATGATGTGCTCTGCTTCCAGCTCCCAAGTGTGGGATTAC 2100
2450 AGGCATGGGCCACCAAGCTAGCTCAGCTCCTTTCTGATCTTCACTAAGAACAAAGA 2509
2101 AGGCATGGGCCACCAAGCTAGCTCAGCTCCTTTCTGATCTTCACTAAGAACAAAGA 2160
2510 AGCAGCACTTGCAGAGGGGGCTTCCCACTGGTCCATCTGGTTTCTTCCAGGGTCC 2569
2161 AGCAGCACTTGCAGAGGGGGCTTCCCACTGGTCCATCTGGTTTCTTCCCA-GGGTCC 2219
2570 TTGCAAAATTTCTGACGATAGAGTATGATGACCTCAGCTGCAAAAGCCACCAACAGC 2629
2220 TTGCAAAATTTCTGACGATAGAGTATGATGACCTCAGCTGCAAAAGCCACCAACAGC 2279
2630 CACTCAGAAAGACGACAGCCAGAGTGCAGAACTGCAGTCTCACTGCACTGTTTCATC 2689
2280 CACTCAGAAAGACGACAGCCAGAGTGCAGAACTGCAGTCTCACTGCACTGTTTCATC 2339
2690 TCTAGGACAGAAACCAACCCACCTTCTACTTCCAGACTTATTTTCACTGTTGGG 2749
2340 TTTAGGACAGAAACCAACCCACCTTCTACTTCCAGACTTATTTTCACTGTTGGG 2399
2750 AGGTTAATCTAGGAATGACTCGTTTAAAGGCTTATTTTCAATGATTTCTTGTAGCATTTGG 2809
2400 AGGTTAATCTAGGAATGACTCGTTTAAAGGCTTATTTTCAATGATTTCTTGTAGCATTTGG 2459
2810 TGTCTGACGTATTATGCTTTGATTGATTTCAAAATATATGTTTCCCTCCATWRAAMAA 2869
2460 TGTCTGACGTATTATGCTTTGATTGATTTCAAAATATATGTTTCCCTCCATWRAAMAA 2519
2870 AAAAAAAAAAAAAAAAARRMR 2890
2520 AAAAAAAAAAAAAAAAAAAAA 2540

Query Match 30.3%; Score 893.2; DB 3; Length 28203;
Best Local Similarity 99.2%; Pred. No. 1.4e-204;
Matches 895; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
QY 1963 CAGATGGAGAGACCTAAACACCTGAAAGAGGAGGACAAAGTAGCCACCTGAGTTCT 2022
DB 25303 CATTTATAGAGACCTAAACACCTGAAAGAGGAGGACAAAGTAGCCACCTGAGTTCT 25362
QY 2023 GAGGTGATGAAGACAGCCCGATCCTCCCTGGACTCCCGTGTAGGAACCTGCACAGAGC 2082
DB 25363 GAGGTGATGAAGACAGCCCGATCCTCCCTGGACTCCCGTGTAGGAACCTGCACAGAGC 25422
QY 2083 AGACACCTTGGAGCTGTGAGTTCGGGACACAGTAGAGGCGCCGAAAGAGGACCCCTTCC 2142
DB 25423 AGACACCTTGGAGCTGTGAGTTCGGGACACAGTAGAGGCGCCGAAAGAGGACCCCTTCC 25482
QY 2143 ATCTGATTCAGACCAACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGATGAGTGCAGTC 2202
DB 25483 ATCTGATTCAGACCAACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGATGAGTGCAGTC 25542
QY 2203 TCGCTCTGCTCCAGGCTGAGTGCAGTGGCGAAATCCCTGCTCACTGCGAGCCTCCGCT 2262
DB 25543 TCGCTCTGCTGGCCAGGCTGAGTGCAGTGGCGAAATCCCTGCTCACTGCGAGCCTCCGCT 25602
QY 2263 TCCCTGGTTCAAGCGATTCTCTTGCTCAGCTTCCCAAGTAGTGGGACCAAGTGGCC 2322
DB 25603 TCCCTGGTTCAAGCGATTCTCTTGCTCAGCTTCCCAAGTAGTGGGACCAAGTGGCC 25662
QY 2323 GCACACACCCAACTAATTTTGTATTTTGTATGATGACAGAGGTTTCCACCATGTTGGCC 2382
DB 25663 GCACACACCCAACTAATTTTGTATTTTGTATGATGACAGAGGTTTCCACCATGTTGGCC 25722
QY 2383 AGGCTGCTCTCAAAACCCCTGACCTCAAATGATGCTGCTTCCAGCTTCCCAAGTGTG 2442
DB 25723 AGGCTGCTCTCAAAACCCCTGACCTCAAATGATGCTGCTTCCAGCTTCCCAAGTGTG 25782
QY 2443 GGATTTACAGGATGGGCGCCACCAAGCTAGCTCAGCTCCTTTCTGATCTTCACTAAGAA 2502
DB 25783 GGATTTACAGGATGGGCGCCACCAAGCTAGCTCAGCTCCTTTCTGATCTTCACTAAGAA 25842
QY 2503 CAAAAGAGCAGCAACTTGCAGAGGGGCGCTTTCCACCTGCTGCTTCTCTCC 2562
DB 25843 CAAAAGAGCAGCAACTTGCAGAGGGGCGCTTTCCACCTGCTGCTTCTCTCTCC 25902
QY 2563 AGGGCTCTGCAAAATCTCTGACGAGATGAGCAGTATGTGACCTCAGCTGCAAGAGCCAC 2622
DB 25903 AGGGCTCTGCAAAATCTCTGACGAGATGAGCAGTATGTGACCTCAGCTGCAAGAGCCAC 25962
QY 2623 CAACAGCCTCAGAAAGAGCAGCAGCCAGAGAGTGCAGAACTGCACTGCACTGCACGT 2682
DB 25963 CAACAGCCTCAGAAAGAGCAGCAGCCAGAGAGTGCAGAACTGCACTGCACTGCACGT 26022
QY 2683 TTTTCATCTTAGGAGCCAGAACCAACCCCTTCTACTTCCAAAGACTTATTTTCA 2742
DB 26023 TTTTCATCTTAGGAGCCAGAACCAACCCCTTCTACTTCCAAAGACTTATTTTCA 26082
QY 2743 TGTGGGAGGTTAATCTAGGAATGACTCGTTTAAAGGCTTATTTTCAATGATTTCTTTGTAG 2802
DB 26083 TGTGGGAGGTTAATCTAGGAATGACTCGTTTAAAGGCTTATTTTCAATGATTTCTTTGTAG 26142
QY 2803 CATTTGGTCTTGACGTATTATTGCTTTGATTTCCAAATAATATATGTTTCTTCCCTCAT 2862

RESULT 11
US-09-949-016-16952
; Sequence 16952, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

Db 26143 CATTGGTCTTGACGTATTATGCTTTGATTCCAAATAATATGTTTCCTTCCCTCAT 26202
Qy 2863 WR 2864
Db 26203 TG 26204

RESULT 12
US-09-949-016-16953
; Sequence 16953, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16953
; LENGTH: 28203
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16953

Query Match 30.3%; Score 893.2; DB 3; Length 28203;
Best Local Similarity 99.2%; Pred. No. 1.4e-204;
Matches 895; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
Qy 1963 CAGATGAGAGACCTTAAACCTGAAAGAGGGGACAGTAGGACCTGAGTTCCCT 2022
Db 25303 CATTATAGAGACCTTAAACCTGAAAGAGGGGACAGTAGGACCTGAGTTCCCT 25362
Qy 2023 GAGGTGATGAAGACAGACCCGATCTCCCTGGACTCCCGTAGGAACTGCACACGAGC 2082
Db 25363 GAGGTGATGAAGACAGACCCGATCTCCCTGGACTCCCGTAGGAACTGCACACGAGC 25422
Qy 2083 AGACACCTTGGAGCTGAGTTCCGGACACAGTAGGAGCCGAAAGAGCCACCTTCC 2142
Db 25423 AGACACCTTGGAGCTGAGTTCCGGACACAGTAGGAGCCGAAAGAGCCACCTTCC 25482
Qy 2143 ATCTGATTCAGACACACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGATGGAGTC 2202
Db 25483 ATCTGATTCAGACACACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGATGGAGTC 25542
Qy 2203 TCGCTCTGTTGCCAGGCTGGAGTGCAGTGCAGAAATCCCTGCTCACTGCAGCCTCCGCT 2262
Db 25543 TCGCTCTGTTGCCAGGCTGGAGTGCAGTGCAGAAATCCCTGCTCACTGCAGCCTCCGCT 25602
Qy 2263 TCCCTGTTTCAAGCGATTCTTTCGCTCAGCTTCCCGACAGTAGCTGGGACCAACAGGTGCC 2322
Db 25603 TCCCTGTTTCAAGCGATTCTTTCGCTCAGCTTCCCGACAGTAGCTGGGACCAACAGGTGCC 25662
Qy 2323 GCACACACCACTAATTTTGTATTTTGTATTTTGTATAGAGACAGGGTTTCAATGTTGGCC 2382
Db 25663 GCCACACCACTAATTTTGTATTTTGTATTTTGTATAGAGACAGGGTTTCAATGTTGGCC 25722
Qy 2383 AGGTGCTCTCAAAACCCCTGACCTCAATGATGCTGCTTTCAGCCTCCACACAGTCTG 2442
Db 25723 AGGTGCTCTCAAAACCCCTGACCTCAATGATGCTGCTTTCAGCCTCCACACAGTCTG 25782
Qy 2443 GGATTACAGGATGGGCCACACACCCCTAGCCTCAGCTCCCTTCTGATCTTCACTAAGAA 2502
Db 25783 GGATTACAGGATGGGCCACACACCCCTAGCCTCAGCTCCCTTCTGATCTTCACTAAGAA 25842

Qy 2503 CAAAAGACAGCAACTTGCAAGGGGGCTTTCCCACTGGTCCATCTGGTTTTCTCTCC 2562
Db 25843 CAAAAGACAGCAACTTGCAAGGGGGCTTTCCCACTGGTCCATCTGGTTTTCTCTCC 25902
Qy 2563 AGGGTCTTGC AAAAATTCCTGACGAGATAAGCAAGTTATGTGACTCAGTGCACAGCCAC 2622
Db 25903 AGGGTCTTGC AAAAATTCCTGACGAGATAAGCAAGTTATGTGACTCAGTGCACAGCCAC 25962
Qy 2623 CAACAGCCACTCAGAAAAGACGACACCCAGAGTGCAGAACTGCAGTCACTGCACGT 2682
Db 25963 CAACAGCCACTCAGAAAAGACGACACCCAGAGTGCAGAACTGCAGTCACTGCACGT 26022
Qy 2683 TTTTCATCTTAGGACACAGAACCAACCCCTTTCTACTTCCAAAGCTATTATTTTCA 2742
Db 26023 TTTTCATCTTAGGACACAGAACCAACCCCTTTCTACTTCCAAAGCTATTATTTTCA 26082
Qy 2743 TGTGGGAGGTTAATCTAGGAATGACTCGTTTAAGGCTATTTTCATGATTTCTTTGTAG 2802
Db 26083 TGTGGGAGGTTAATCTAGGAATGACTCGTTTAAGGCTATTTTCATGATTTCTTTGTAG 26142
Qy 2803 CATTGCTGCTTGACGTATTATTTGCTCTTGATTCAGAAATATGTTTCTTCCCTCAT 2862
Db 26143 CATTGCTGCTTGACGTATTATTTGCTCTTGATTCAGAAATATGTTTCTTCCCTCAT 26202
Qy 2863 WR 2864
Db 26203 TG 26204

RESULT 13
US-09-949-016-16954
; Sequence 16954, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16954
; LENGTH: 28203
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16954

Query Match 30.3%; Score 893.2; DB 3; Length 28203;
Best Local Similarity 99.2%; Pred. No. 1.4e-204;
Matches 895; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
Qy 1963 CAGATGAGAGACCTTAAACCTGAAAGAGGGGACAGTAGGACCTGAGTTCCCT 2022
Db 25303 CATTATAGAGACCTTAAACCTGAAAGAGGGGACAGTAGGACCTGAGTTCCCT 25362
Qy 2023 GAGGTGATGAAGACAGACCCGATCTCCCTGGACTCCCGTAGGAACTGCACACGAGC 2082
Db 25363 GAGGTGATGAAGACAGACCCGATCTCCCTGGACTCCCGTAGGAACTGCACACGAGC 25422
Qy 2083 AGACACCTTGGAGCTGAGTTCCGGACACAGTAGGAGCCGAAAGAGCCACCTTCC 2142
Db 25423 AGACACCTTGGAGCTGAGTTCCGGACACAGTAGGAGCCGAAAGAGCCACCTTCC 25482
Qy 2143 ATCTGATTCAGACACACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGATGGAGTC 2202
Db 25483 ATCTGATTCAGACACACCTTCAAGCTGCTTTTGTGTTTGTGTTTGTGATGGAGTC 25542

Best Local Similarity 99.7%; Pred. No. 4.9e-134;		Matches 596; Conservative 2; Mismatches 0; Indels 0; Gaps 0;	
Qy	2267	TGGTTCAAGCGATTCTCTTGGCTCAGCTTCCCGAGTAGCTGGGACCCACAGGTGCCCGCCA	2326
Db	601	TGGTTCAAGCGATTCTCTTGGCTCAGCTTCCCGAGTAGCTGGGACCCACAGGTGCCCGCCA	542
Qy	2327	CCACACCAACTAATTTTGTATTTTAGTAGACACAGGGTTTCACCATGTTGGCCAGGC	2386
Db	541	CCACACCAACTAATTTTGTATTTTAGTAGACACAGGGTTTCACCATGTTGGCCAGGC	482
Qy	2387	TGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTCTTCCAGCCTCCACAGTGTCTGGAT	2446
Db	481	TGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTCTTCCAGCCTCCACAGTGTCTGGAT	422
Qy	2447	TACAGGCATGGGCCACACAGCCTAGCCTCAGCTCCTTTCTGATCTTCACTAAGAACTT	2506
Db	421	TACAGGCATGGGCCACACAGCCTAGCCTCAGCTCCTTTCTGATCTTCACTAAGAACTT	362
Qy	2507	AGAGCAGCACTTGCAGGGCGGCTTCCCACTGGTCCATCTGGTTTCTCTCCAGGG	2566
Db	361	AGAGCAGCACTTGCAGGGCGGCTTCCCACTGGTCCATCTGGTTTCTCTCCAGGG	302
Qy	2567	GTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGTGACCTCAGTGCAGAAAGCCCAAC	2626
Db	301	GTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGTGACCTCAGTGCAGAAAGCCCAAC	242
Qy	2627	AGCCACTCAGAAAGACGACCCAGCCAGAGTGCAGAACTGCAGTCACTGCAGTTTTC	2686
Db	241	AGCCACTCAGAAAGACGACCCAGCCAGAGTGCAGAACTGCAGTCACTGCAGTTTTC	182
Qy	2687	ATCTTAGGGACCAAGAACCCACCCTTCTACTTCCAAAGACTTATTTTACATGTG	2746
Db	181	ATCTTAGGGACCAAGAACCCACCCTTCTACTTCCAAAGACTTATTTTACATGTG	122
Qy	2747	GGGAGGTTAATCTAGGAATGACTCGTTAAGGCCCTATTTTCATGATTTCTTTGTAGCAT	2806
Db	121	GGGAGGTTAATCTAGGAATGACTCGTTAAGGCCCTATTTTCATGATTTCTTTGTAGCAT	62
Qy	2807	TGGTCTTGACGTAATATTGTCTTTGATTCCTTCCAAATTAATATGTTTCTTCCCTCATWR	2864
Db	61	TGGTCTTGACGTAATATTGTCTTTGATTCCTTCCAAATTAATATGTTTCTTCCCTCATTG	4

Search completed: January 7, 2006, 22:32:53
Job time : 525.149 secs

: ORGANISM: Homo sapiens									
US-10-295-027-107									
Query Match 83.2%; Score 2454; DB 6; Length 2465;									
Best Local Similarity 99.5%; Pred. No. 0;									
Matches 2451; Conservative 9; Mismatches 4; Indels 0; Gaps 0;									
Qy	427	ACCGGGCACCGACGGCTCGGGTACTTTTGGTTCTTAATTAGGTCATCCCGTATGAGCCA	486						
Db	1	ACCGGGCACCGACGGCTCGGGTACTTTTGGTTCTTAATTAGGTCATCCCGTGTGAGCCA	60						
Qy	487	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGGCTACTATCTCTTCGGTGGTG	546						
Db	61	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGGCTACTATCTCTTCGGTGGTG	120						
Qy	547	CCATCTACATTTTGGGACTCGGGAAATTATGAGGTAGAGGTGGAGGCGGAGCCGGAATGTC	606						
Db	121	CCATCTACATTTTGGGACTCGGGAAATTATGAGGTAGAGGTGGAGGCGGAGCCGGAATGTC	180						
Qy	607	AGAGGTCTTGAATPAGTCACCATGGGGAAAAATGATCCGCTGCTGTGTGAAGGCCCTTC	666						
Db	181	AGAGGTCTTGAATPAGTCACCATGGGGAAAAATGATCCGCTGCTGTGTGAAGGCCCTTC	240						
Qy	667	TCATTCGGATCGCTTTTGGCCITGATGATTTGAAAAATAAGTCTGTGTGACACAGATGCA	726						
Db	241	TCATTCGGATCGCTTTTGGCCITGATGATTTGAAAAATAAGTCTGTGTGACACAGATGCA	300						
Qy	727	GATGCTGTGTCACAGATCCTGTCACCTGCTGCATTGAAAGTTTTCATCAATCATCGTC	786						
Db	301	GATGCTGTGTCACAGATCCTGTCACCTGCTGCATTGAAAGTTTTCATCAATCATCGTC	360						
Qy	787	ATTGGGATCATTTGATTAATAGTACTGGCCATTTGCTCTGGGCATCCACTTCGACTGC	846						
Db	361	ATTGGGATCATTTGATTAATAGTACTGGCCATTTGCTCTGGGCATCCACTTCGACTGC	420						
Qy	847	TCAGGGAAGTACAGATGTGCTCATCTTTAAAGTGTATCGAGCTGATPAGCTTCGATGTGAC	906						
Db	421	TCAGGGAAGTACAGATGTGCTCATCTTTAAAGTGTATCGAGCTGATPAGCTTCGATGTGAC	480						
Qy	907	GGAGTCTCGGATTCGAAGACGGGGAGACGATACCGCTGTGTCGGGTGGGTGGTTCAG	966						
Db	481	GGAGTCTCGGATTCGAAGACGGGGAGACGATACCGCTGTGTCGGGTGGGTGGTTCAG	540						
Qy	967	AATGCCGTGCTCCAGGTGTTTACAGCTGCTTTCGTGGAAGACCATGTGCTCCGATGACTGG	1026						
Db	541	AATGCCGTGCTCCAGGTGTTTACAGCTGCTTTCGTGGAAGACCATGTGCTCCGATGACTGG	600						
Qy	1027	AAGGTCATCTACGCAATGTTGCCCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTCA	1086						
Db	601	AAGGTCATCTACGCAATGTTGCCCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTCA	660						
Qy	1087	GATTAACCTCAGAGTACCTCGCTGGAGGGCAGTTCGGGAGGAGTTTGTGTCATCGAT	1146						
Db	661	GATTAACCTCAGAGTACCTCGCTGGAGGGCAGTTCGGGAGGAGTTTGTGTCATCGAT	720						
Qy	1147	CACCTCTTGCAGATGACAAAGGTGACTGTCATTTACACCACTCAGTATATGTGAGGAGGGA	1206						
Db	721	CACCTCTTGCAGATGACAAAGGTGACTGTCATTTACACCACTCAGTATATGTGAGGAGGGA	780						
Qy	1207	TGTGCTCTTGCCCACTGGTTCCTTCAGTGCAACGCTGTGGTTCATAGAAAGGGGTAC	1266						
Db	781	TGTGCTCTTGCCCACTGGTTCCTTCAGTGCAACGCTGTGGTTCATAGAAAGGGGTAC	840						
Qy	1267	AGCTACGGCATCTGGGGTGGAAACATGTCCTTGCCTCTCGCAGTGGCCCTGGCAGGCCAGC	1326						
Db	841	AGCTACGGCATCTGGGGTGGAAACATGTCCTTGCCTCTCGCAGTGGCCCTGGCAGGCCAGC	900						
Qy	1327	CTTCAGTTTCAGGGCTACCACTCTGTGGGGGGCTCTGTTCATCAGCCCTCTGTGATCATC	1386						
Db	901	CTTCAGTTTCAGGGCTACCACTCTGTGGGGGGCTCTGTTCATCAGCCCTCTGTGATCATC	960						
Qy	1387	ACTGCTGCACACTGTGTTTATGACTTGTACTCTCCCAAGTCATGGACCATTCACAGTGGGT	1446						

961	ACTGCTGCACACTGTGTGTTATGACTTGTACTCTCCCAAGTCATGAGACCATCCAGGTGGT	102
1447	CTAGTTTTCCCTGTGTGGACAAATCCAGCCCCCATCCCACTTGGTGGAGAGAATGTGTACCAAC	1506
1021	CTAGTTTTCCCTGTGTGGACAAATCCAGCCCCCATCCCACTTGGTGGAGAGAATGTGTACCAAC	1080
1507	AGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAAGCTGGCCGGGCCA	1566
1081	AGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAAGCTGGCCGGGCCA	1140
1567	CTCAGGTTCAATGAAATGATCCAGCGCTGTGCTGCTGCCCAACTCTGAAGAGAACTTCCCC	1626
1141	CTCAGGTTCAATGAAATGATCCAGCGCTGTGCTGCTGCCCAACTCTGAAGAGAACTTCCCC	1200
1627	GATGAAAAAGTGTGCTGGACGTCAGGATGGGGGGCCACAGAGGATGAGAGTGACGCCTCC	1686
1201	GATGAAAAAGTGTGCTGGACGTCAGGATGGGGGGCCACAGAGGATGAGAGTGACGCCTCC	1260
1687	CTGTGCTGAAACACAGCGGGCGGTCCCTTTGATTTCCAAAGAATCTGCAACCAACAGGGAC	1746
1261	CTGTGCTGAAACACAGCGGGCGGTCCCTTTGATTTCCAAAGAATCTGCAACCAACAGGGAC	1320
1747	GTGTACCGTGGCATCATCTCCCTCCATCCTCTGCGCGGGCTACCTGACGGGTGGCGTG	1806
1321	GTGTACCGTGGCATCATCTCCCTCCATCCTCTGCGCGGGCTACCTGACGGGTGGCGTG	1380
1807	GACAGCTGCCAGGGGGACAGCGGGGGGCCCTCTGTGTGTCAAGAGAGGAGGCTGTGGAAG	1866
1381	GACAGCTGCCAGGGGGACAGCGGGGGGCCCTCTGTGTGTCAAGAGAGGAGGCTGTGGAAG	1440
1867	TTAGTGGAGCGACACAGCTTTGGCATCGGCTTGGCGGACAGAGGTGAAACAAAGCTTGGGGTGTAC	1926
1441	TTAGTGGAGCGACACAGCTTTGGCATCGGCTTGGCGGACAGAGGTGAAACAAAGCTTGGGGTGTAC	1500
1927	ACCGGTGTCACTCTCTCTGGACTGATCCACGAGCAGATGGAGAGAGGACTTAAAAAC	1986
1501	ACCGGTGTCACTCTCTCTGGACTGATCCACGAGCAGATGGAGAGAGGACTTAAAAAC	1560
1987	TGAAAAAGAAAGGGACAAAGTAGCCACTGAGTTTCTGAGGTGATGAAGACAGCCCGATCC	2046
1561	TGAAGAGAAAGGGACAAAGTAGCCACTGAGTTTCTGAGGTGATGAAGACAGCCCGATCC	1620
2047	TCGCCGTGAATCCCGTGTAGGAACTGTGCAACAGAGCAGACACCCCTTGGAGCTCTGAGTTC	2106
1621	TCGCCGTGAATCCCGTGTAGGAACTGTGCAACAGAGCAGACACCCCTTGGAGCTCTGAGTTC	1680
2107	CGGCACCACTAGCAGGCCCGAAAGAGCCCTTCCATCTGATTCAGCAGCACACCTTCAA	2166
1681	CGGCACCACTAGCAGGCCCGAAAGAGGCAACCTTCCATCTGATTCAGCAGCACACCTTCAA	1740
2167	GCTGCTTTTTGTTTTTTTTTTTTTTGATGATGAGTCTCGCTCTGTTGCCCAGGCTGGAGT	2226
1741	GCTGCTTTTTGTTTTTTTTTTTTTTGAGGTGGAGTCTCGCTCTGTTGCCCAGGCTGGAGT	1800
2227	GCAGTGGCGAAAATCCCTGTCTCACTGCAGCCTCCGCTTCCCTGTGTTCAAGCGATTTCTTTG	2286
1801	GCAGTGGCGAAAATCCCTGTCTCACTGCAGCCTCCGCTTCCCTGGTTCAAGCGATTTCTTTG	1860
2287	CCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCGCGCCACCAACCCAACTAATTTTTG	2346
1861	CCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCGCGCCACCAACCCAACTAATTTTTG	1920
2347	TATTTTTAGTAGACACAGGGTTTTACCATGTTGGCCAGGCTGTCTCTCAAAACCCCTGACCT	2406
1921	TATTTTTAGTAGACACAGGGTTTTACCAATGTTGGCCAGGCTGTCTCTCAAAACCCCTGACCT	1980
2407	CAAAATGATGTGCTTTCAGCTTCCCAAGTGTCTGGGATTAACAGGCATGGGCCACCAACG	2466
1981	CAAAATGATGTGCTTTCAGCTTCCCAAGTGTCTGGGATTAACAGGCATGGGCCACCAACG	2040
2467	CCTAGCCTCAGGCTCCTTTCTGATCTTCACTAAGACAAAGAGCAGGAACTTGGCAGG	2526
2041	CCTAGCCTCAGGCTCCTTTCTGATCTTCACTAAGAAACAAAGAGCAGGAAATTTGCAAGG	2100

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; SEQ ID NO 962
; LENGTH: 2465
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-962

Query Match      83.2%; Score 2454; DB 6; Length 2465;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 2451; Conservative 9; Mismatches 4; Indels 0; Gaps 0;

Qy 427 ACCGGGACCGGCGCTCGGGTACTTTTCTTAATAGGTGTCATGCCCTATGATCTCTTCCTGGTG 486
Db 1 ACCGGGACCGGCGCTCGGGTACTTTTCTTAATAGGTGTCATGCCCTATGATCTCTCTTCCTGGTG 60

Qy 487 GGAAGGGCTGTGTTTATGGGAAGCAGTAACACTGTGGCTACTATCTCTTCCTGGTG 546
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Qy 547 CCATCTACATTTTGGGACTCGGGAATTTAGAGTAGAGGTGGAGGGCGGAGCCGATGTC 606
Db 121 CCATCTACATTTTGGGACTCGGGAATTTAGAGTAGAGGTGGAGGGCGGAGCCGATGTC 180

Qy 607 AGAGGTCCTGAATAGTCAACATCGGGGAAATGATCCGCTGCTGTTTGAAGCCCTTC 666
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Qy 667 TCATTCCGATCGCTTTTGGCTTTGATGATTTGAAATAAGTCTCTTTCACACAGATGCA 726
Db 241 TCATTCCGATCGCTTTTGGCTTTGATGATTTGAAATAAGTCTCTTTCACACAGATGCA 300

Qy 727 GATGCTGTGCTGCACAGATCCTGTCACTGTGCGCATTTGAAATTTTCCAAATCATCTC 786
Db 301 GATGCTGTGCTGCACAGATCCTGTCACTGTGCGCATTTGAAATTTTCCAAATCATCTC 360

Qy 787 ATTGGATCATTTGATGATTTAGCACTGCGCATTTGCTGGGCACTCCACTTCGACTGC 846
Db 361 ATTGGATCATTTGATGATTTAGCACTGCGCATTTGCTGGGCACTCCACTTCGACTGC 420

Qy 847 TCAGGGAAGTACAGATGCTGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTCAC 906
Db 421 TCAGGGAAGTACAGATGCTGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTCAC 480

Qy 907 GGAGTCTCGGATTTGCAAGACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGGTTCAG 966
Db 481 GGAGTCTCGGATTTGCAAGACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGGTTCAG 540

Qy 967 AATGCCGTGCTCCAGGTGTTTCAAGCTGCTTGGGAAAGACCATGCTCCGATCAGTGG 1026
Db 541 AATGCCGTGCTCCAGGTGTTTCAAGCTGCTTGGGAAAGACCATGCTCCGATCAGTGG 600

Qy 1027 AAGGTCCTACTACGCAAAATTTGCTGTCGCCAACTGGGGTTTCCCAAGCTATGTGAGTTCA 1086
Db 601 AAGGTCCTACTACGCAAAATTTGCTGTCGCCAACTGGGGTTTCCCAAGCTATGTGAGTTCA 660

Qy 1087 GATTAACCTCAGAGTGAGTCTGCTGGAGGGGAGTTTCCGGAGGAGTTGTGTCCATCGAT 1146
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Qy 1147 CACTCTTTCGCGATGACAGAGTGATGATACCACTCAGTATATCTGAGGGAGGCA 1206
Db 721 CACTCTTTCGCGATGACAGAGTGATGATACCACTCAGTATATCTGAGGGAGGCA 780

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Db 781 TGTGCTCTGGCCACGTTGTTACCTTTCAGTGCACAGCTGCTGGTTCATAGAAGGGGCTAC 840

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Db 841 AGCTCAGCATCGTGGGTGGAAACATGCTCTTGTCTCTCGAGTGGCCCTGGCAGGCCAGC 900

Qy 1327 CTTTCAAGTTCAGGGCTACCACTGTGCGGGGGCTCTGTGATCAGCGCCCTGTGGATCATC 1386
Db 901 CTTTCAAGTTCAGGGCTACCACTGTGCGGGGGCTCTGTGATCAGCGCCCTGTGGATCATC 960
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Qy 2647 CCAGCCCAAGAGTGAGAACTGCAAGTCACTGCAAGTTTCACTCTAGGGACCAAGACCA 2706
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Db 2341 ACTGTTTAAAGCCCTATTCTTCACTGATTTCTTTGAGCACTTTGGTCTTTCAGCTATTATG 2400

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Qy 2887 RMRR 2890
Db 2461 AAAA 2464

RESULT 2
US-10-295-027-962
; Sequence 962, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
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Db 961 ACTGCTGCACACTGTGTTTATGACTTGTACCTTCCCAAGTCAATGCAATCCAGTGGGT 1020
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Db 1021 CTAGTTTCCCTGTTGGCAATCCAGCCCACTCCCACTTGGTGGAGAAATGTTCTACCA 1080
Qy 1507 AGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATTAAGAGTGGCCGGGCA 1566
Db 1081 AGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATTAAGAGTGGCCGGGCA 1140
Qy 1567 CTACAGTTCATGAATGATCAGCCTGTGCTGCTGCCCACTCTGGAAGAACTTCCCC 1626
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Qy 1627 GATGAAAGTGTGCTGGACCTCAGGATGGGGGCGCACAGAGGATGGAGGTGACGCTCC 1686
Db 1201 GATGAAAGTGTGCTGGACCTCAGGATGGGGGCGCACAGAGGATGGAGGTGACGCTCC 1260
Qy 1687 CTTGCTCTGAACACAGCGGCGGTCCCTTTGATTTCCAAAGATCTGCAACACAGGGAC 1746
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Db 1441 TTAGTGGAGGACACAGCTTGGCATCGGTGCGCAGAGTGAAACAAGCTTGGGGTGTAC 1500
Qy 1927 ACCGCTGTCACTCTCTCTGATCGGATCCAGCAGCAGATGGAGAGAGACCTTAAAC 1986
Db 1501 ACCGCTGTCACTCTCTCTGATCGGATCCAGCAGCAGATGGAGAGAGACCTTAAAC 1560
Qy 1987 TGAAGAGGAGGGGACAAAGTAGCCACCTGAGTCTCTGAGGTGATGAAGACAGCCGATCC 2046
Db 1561 TGAAGAGGAGGGGACAAAGTAGCCACCTGAGTCTCTGAGGTGATGAAGACAGCCGATCC 1620
Qy 2047 TCCCTGGAATCCCGTGTAGAACTCTGCAACAGCAGACACCCCTTGGAGCTCTGAGTTC 2106
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Qy 2227 GCAGTGGCGAAATCCCTGCTCACTGCAGCCTCCGCTTCCCTGGTTCGAAGGATTTCTTG 2286
Db 1801 GCAGTGGCGAAATCCCTGCTCACTGCAGCCTCCGCTTCCCTGGTTCGAAGGATTTCTTG 1860
Qy 2287 CCTCAGCTTCCCGATAGCTGGGACACAGGTGCCCGCCACACACCACTAATTTTGG 2346
Db 1861 CCTCAGCTTCCCGATAGCTGGGACACAGGTGCCCGCCACACCACTAATTTTGG 1920
Qy 2347 TATTTTGTAGAGACAGGGTTTCCACATGTTGGCAGGCTGCTCTCAAAACCCCTGACCT 2406
Db 1921 TATTTTGTAGAGACAGGGTTTCCACATGTTGGCAGGCTGCTCTCAAAACCCCTGACCT 1980
Qy 2407 CAAATGATGTGCTTCCAGCTTCCACAGTGTGGGATTTACAGGATGGGCGCACCAAG 2466
Db 1981 CAAATGATGTGCTTCCAGCTTCCACAGTGTGGGATTTACAGGATGGGCGCACCAAG 2040

Qy 2467 CCTAGCCTCAGCTCCCTTTCTGATCTTTCACTAAGAACAAAGAGCAGCACTTGCAGG 2526
Db 2041 CCTAGCCTCAGCTCCCTTTCTGATCTTTCACTAAGAACAAAGAGCAGCACTTGCAGG 2100
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Qy 2587 AGATAAGCAGTATGTGACCTCAGCTGCAAGGCCAACAAAGGCCACTCAGAGAAAGACGA 2646
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Qy 2887 RMRR 2890
Db 2461 AAAA 2464

RESULT 3

US-10-295-027-737
; Sequence 737, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCES: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13

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Db 901 CTTCAAGTTCAGGGGTACCACTGTGTGGGGGCTCTGTGATCAAGCCCTGTGATCATC 960
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Db 1981 CCTCAATGATGTCCCTGCTTTCAGCTTCCACAGTGTCTGGGATTTACAGGCAATGGCCACC 2040
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Qy 2884 ARRMRR 2890
Db 2461 AAAAAA 2467

RESULT 5

US-10-295-027-820
; Sequence 820, Application US/10295027
; Publication No. US20030232350A1

GENERAL INFORMATION:

; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08

; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 820
; LENGTH: 2468
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-820

Query Match 82.8%; Score 2441; DB 6; Length 2468;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2451; Conservative 9; Mismatches 4; Indels 3; Gaps 1;

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DB 1 ACCGGCACCGGACGGCTCGGGTACTTTTCGTTCTTAATTAGGTCAATGCCCGTATGAGCCA 60

QY 487 GGAAGGGCTGTGTTTATGGAGCCAGTAGTAACACTGTGGCTACTATCTCTTCGTTGGTG 546
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; Sequence 858, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Nataasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
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; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 858
; LENGTH: 2468
; TYPE: DNA
; ORGANISM: Homo sapiens
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; Sequence 2431, Application US/10956157			
; Publication No. US20050118625A1			
; GENERAL INFORMATION:			
; APPLICANT: Wyeth			
; APPLICANT: Mounts, William			
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH			
; FILE REFERENCE: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES			
; CURRENT APPLICATION NUMBER: US/10/956.157			
; CURRENT FILING DATE: 2004-10-04			
; NUMBER OF SEQ ID NOS: 319805			
; SOFTWARE: Patent version 3.2			
; SEQ ID NO 2431			
; LENGTH: 2468			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
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Best Local Similarity 99.4%; Pred.No. 0;			
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Qy 1290 CATGTCTTGTCTCGCAGTGGCCCTGGCAGGCCAGCTTCAGTTCAGGGCTACCACT 1349
Db 841 CATGTCTTGTCTCGCAGTGGCCCTGGCAGGCCAGCTTCAGTTCAGGGCTACCACT 900
Qy 1350 GTGGGGGGCTCTGTCTATCAGCCCTGTGTGATCATCACTGTCACACTGTGTTATGA 1409
Db 901 GTGGGGGGCTCTGTCTATCAGCCCTGTGTGATCGTCACTGCTGCACTGTGTTATGA 960
Qy 1410 CTTGTACTCTCCCAAGTCAATGGAACATCCAGTGGGTCTAGTTTCCCTGTTGGAACAATCC 1469
Db 961 CTTGTACTCTCCCAAGTCAATGGAACATCCAGTGGGTCTAGTTTCCCTGTTGGAACAATCC 1020
Qy 1470 AGCCCCATCCCACTTGTGGAGAGATTGTCTACCAAGCAAGTACAAAGCAAGAGGCT 1529
Db 1021 AGCCCCATCCCACTTGTGGAGAGATTGTCTACCAAGCAAGTACAAAGCAAGAGGCT 1080
Qy 1530 GGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACGTTCAATGAATGATCCA 1589
Db 1081 GGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACGTTCAATGAATGATCCA 1140
Qy 1590 GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC 1649
Db 1141 GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC 1200
Qy 1650 AGGATGGGGGCCACAGAGATGAGTGAAGCTCCCTCTCTCTGTAACCAAGCGGGCGGT 1709
Db 1201 AGGATGGGGGCCACAGAGATGAGTGAAGCTCCCTCTCTCTGTAACCAAGCGGGCGGT 1260
Qy 1710 CCCTTTGATTTCCAAAGATCTGCAACCAAGGAGAGTGTACCGTGGCATCACTCTCCC 1769
Db 1261 CCCTTTGATTTCCAAAGATCTGCAACCAAGGAGAGTGTACCGTGGCATCACTCTCCC 1320
Qy 1770 CTCATGCTCTGCGGGCTACCTGAAGGTTGGCGTGGACAGTGCAGGGGACAGCGG 1829
Db 1321 CTCATGCTCTGCGGGCTACCTGAAGGTTGGCGTGGACAGTGCAGGGGACAGCGG 1380
Qy 1830 GGGGCCCCCTGGTGTCAAGAGAGAGCTGTGAAGTTAGTGGAGCGGACCGCTTTGG 1889
Db 1381 GGGGCCCCCTGGTGTCAAGAGAGAGCTGTGAAGTTAGTGGAGCGGACCGCTTTGG 1440
Qy 1890 CATCGGCTGGCAGAGTGAACAAGCTGGGGTGTACACCGTGTCACTCTCTCTCTGGA 1949
Db 1441 CATCGGCTGGCAGAGTGAACAAGCTGGGGTGTACACCGTGTCACTCTCTCTCTGGA 1500
Qy 1950 CTGATCCAGAGAGATGAGAGAGACTTAATAAACTGTAAGAAAGGAGGAGCAAGTAGC 2009
Db 1501 CTGATCCAGAGAGATGAGAGAGACTTAATAAACTGTAAGAAAGGAGGAGCAAGTAGC 1560
Qy 2010 CACTGTAGTTCTCGAGTGTATGAAGACAGCCGATCTCCCTGGATCTCCGTTAGGAA 2069
Db 1561 CACTGTAGTTCTCGAGTGTATGAAGACAGCCGATCTCCCTGGATCTCCGTTAGGAA 1620
Qy 2070 CTTGCACAGCAGCAGACACCTTTGAGCTCTGAGTTCGGCACCAGTAGCAGGCCCCGAAA 2129
Db 1621 CTTGCACAGCAGCAGACACCTTTGAGCTCTGAGTTCGGCACCAGTAGCAGGCCCCGAAA 1680

Qy 2130 GAGGCACCTTCCATCTGATTTCAGGACAACCTTCAAGCTGCTTTTGTGTTTTGTTTTT 2189
Db 1681 GAGGCACCTTCCATCTGATTTCAGGACAACCTTCAAGCTGCTTTTGTGTTTTGTTTTT 1740
Qy 2190 TTGAGATGGAGTCTCGCTCTGTTTGGCCAGGCTGAGTGGCGAAATCCCTGCTCAC 2249
Db 1741 TTGAGATGGAGTCTCGCTCTGTTTGGCCAGGCTGAGTGGCGAAATCCCTGCTCAC 1800
Qy 2250 TGACAGCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCCTCAGCTTCCCGAGTAGCTGG 2309
Db 1801 TGACAGCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCCTCAGCTTCCCGAGTAGCTGG 1860
Qy 2310 ACACAGGTCGCCGCCACACACCCAACTAATTTTTGTATTTTGTAGTAGAGACAGGGTTT 2369
Db 1861 ACACAGGTCGCCGCCACACACCCAACTAATTTTTGTATTTTGTAGTAGAGACAGGGTTT 1920
Qy 2370 CACATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTTTCAGCC 2429
Db 1921 CACATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTTTCAGCC 1980
Qy 2430 TCCACAGTGTCTGGGATTACAGGCATGGGCCACCCAGCTAGCTCAGCTCCTTTCTGA 2489
Db 1981 TCCACAGTGTCTGGGATTACAGGCATGGGCCACCCAGCTAGCTCAGCTCCTTTCTGA 2040
Qy 2490 TCTTCACTAAGAACAAAGAGCGAACTTTCAGAGGGGGCTTTCCCACTGGTCCATC 2549
Db 2041 TCTTCACTAAGAACAAAGAGCGAACTTTCAGAGGGGGCTTTCCCACTGGTCCATC 2100
Qy 2550 TGGTTTTCTCTCCAGGGTCTTGCAAAATTCCTGACGAGATAAGCAGTATGTGACCTCA 2609
Db 2101 TGGTTTTCTCTCCAGGGTCTTGCAAAATTCCTGACGAGATAAGCAGTATGTGACCTCA 2160
Qy 2610 CGTGCAAGGCCACCAACAGCCACTCAGAAAAGCGCACCCAGCCAGAGTGCGAACTGC 2669
Db 2161 CGTGCAAGGCCACCAACAGCCACTCAGAAAAGCGCACCCAGCCAGAGTGCGAACTGC 2220
Qy 2670 AGTCACGTGACGTTTTCATCTCTAGGGACACAGAACCCACCCCTTCTACTTCCAAG 2729
Db 2221 AGTCACGTGACGTTTTCATCTCTAGGGACACAGAACCCACCCCTTCTACTTCCAAG 2280
Qy 2730 ACTTATTTTCCATGTGGGAGGTTAATCTAGGAATGACCTGTTAAGGCTATTTTCAT 2789
Db 2281 ACTTATTTTCCATGTGGGAGGTTAATCTAGGAATGACCTGTTAAGGCTATTTTCAT 2340
Qy 2790 GATTTCTTTTAGCATTTGGTGTGTCAGCTATTATTGTCCTTTGATTCCAAATAATATGT 2849
Db 2341 GATTTCTTTTAGCATTTGGTGTGTCAGCTATTATTGTCCTTTGATTCCAAATAATATGT 2400
Qy 2850 TTCTTCCCTCATWRAAAAAAIAAAAAAAAA 2883
Db 2401 TTCTTCCCTCATWRAAAAAAIAAAAAAAAA 2434

RESULT 10

US-10-357-930-28248
; Sequence 28248, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; PRIOR FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862

;; PRIOR FILING DATE: 2000-03-16
;; PRIOR APPLICATION NUMBER: 60/207,454
;; PRIOR FILING DATE: 2000-05-25
;; PRIOR APPLICATION NUMBER: 60/211,314
;; PRIOR FILING DATE: 2000-06-09
;; PRIOR APPLICATION NUMBER: 60/219,007
;; PRIOR FILING DATE: 2000-07-18
;; PRIOR APPLICATION NUMBER: 60/255,281
;; PRIOR FILING DATE: 2000-12-13
;; NUMBER OF SEQ ID NOS: 62232
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 28248
;; LENGTH: 2434
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-357-930-28248

Query Match 82.4%; Score 2429.6; DB 8; Length 2434;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2429; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy	450	ACTTTTCGTTCTTAATTAGGTCAATGCCGTATGAGCCAGGAAAGGCGTGTGTTTATGGAA	509
Db	1	ACTTTTCGTTCTTAATTAGGTCAATGCCGTATGAGCCAGGAAAGGCGTGTGTTTATGGAA	60
Qy	510	GCCAGTAACACTGGCGCTACTATCTCTTCGTTGGTGCATCTACATTTTGGGACTCGG	569
Db	61	GCCAGTAACACTGGCGCTACTATCTCTTCGTTGGTGCATCTACATTTTGGGACTCGG	120
Qy	570	GAAATTATCAGGTAGAGGTGGAGCGGAGCCGGATGTGACAGAGTCCCTGAAATAGTCAACCAT	629
Db	121	GAAATTATCAGGTAGAGGTGGAGCGGAGCGGATGTGACAGGTCTGAAATAGTCAACCAT	180
Qy	630	GGGGGAAAATGATCCGCCCTGCTGTTTGAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT	689
Db	181	GGGGGAAAATGATCCGCCCTGCTGTTTGAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT	240
Qy	690	TGATCATTTGAAAATAAGTCTGTTTGACACAGATCGATGCTGTCGACACATCCT	749
Db	241	TGATCATTTGAAAATAAGTCTGTTTGACACAGATCGATGCTGTTGTCGACACATCCT	300
Qy	750	GTCACCTGCTGCCATTTGAAAGTCTTTTCCAAATCATCGTCAATGGGATCATTTGCAATGATTT	809
Db	301	GTCACCTGCTGCCATTTGAAAGTCTTTTCCAAATCATCGTCAATGGGATCATTTGCAATGATTT	360
Qy	810	AGCACTGGCCATTTGTTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC	869
Db	361	AGCACTGGCCATTTGTTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC	420
Qy	870	ATCCTTTAAGTGTATCGAGCTGATAGCTGATGTCAGGAGTCTCGGATTTGCAAAAGCGG	929
Db	421	ATCCTTTAAGTGTATCGAGCTGATAGCTGATGTCAGGAGTCTCGGATTTGCAAAAGCGG	480
Qy	930	GGAGGACGAGTACCGCTGTCCGGTGGTGGTCCAGATGCTGCTCCAGGTGTTTAC	989
Db	481	GGAGGACGAGTACCGCTGTCCGGTGGTGGTCCAGATGCTGCTCCAGGTGTTTAC	540
Qy	990	AGCTGCTTCGTGGAAAGACCATGTGCTCCGATGACCTGGAAGGGTCACTACGCCAAATGTTGC	1049
Db	541	AGCTGCTTCGTGGAAAGACCATGTGCTCCGATGACCTGGAAGGGTCACTACGCCAAATGTTGC	600
Qy	1050	CTGTGCCCCAATCGGGTTTCCAGCTATGTGAGTTTCCAGTACCTCAGATGAGTCCGCT	1109
Db	601	CTGTGCCCCAATCGGGTTTCCAGCTATGTGAGTTTCCAGTACCTCAGATGAGTCCGCT	660
Qy	1110	GGAGGGGCGATTTCCGGGAGGAGTTTGTGTCATCCATCAGTCTTGGCCAGATGACAAGGT	1169
Db	661	GGAGGGGCGATTTCCGGGAGGAGTTTGTGTCATCCATCAGTCTTGGCCAGATGACAAGGT	720
Qy	1170	GACTGCATTTACACCACTCAGTATATGTGAGGGAGGAGTGTGCTCTGGCCACGTGGTTAC	1229
Db	721	GACTGCATTTACACCACTCAGTATATGTGAGGGAGGAGTGTGCTCTGGCCACGTGGTTAC	780

Qy	1230	CTTGCACTGCACAGCCTGTGTTCAATAGAAAGGGGCTACAGCTCAGCATCTGTTGGTGGAAA	1289
Db	781	CTTGCACTGCACAGCCTGTGTTCAATAGAAAGGGGCTACAGCTCAGCATCTGTTGGTGGAAA	840
Qy	1290	CATGTCCTTCTGCTTCGCAAGTGGCCCTGGCAGGCGAGCTTTCAGTTCAGGGCTACCACT	1349
Db	841	CATGTCCTTCTGCTTCGCAAGTGGCCCTGGCAGGCGAGCTTTCAGTTCAGGGCTACCACT	900
Qy	1350	GTGCGGGGGCTCTGTCAATCAGCCCTGTGTGATCATCACTGCTGCACACTGTGTTTATGA	1409
Db	901	GTGCGGGGGCTCTGTCAATCAGCCCTGTGTGATCATCACTGCTGCACACTGTGTTTATGA	960
Qy	1410	CTTGTAATCTCCCAAGTCAATGAGCACTCAGGTGGTGTCTAGTTTCCCTGTTGGCAATCC	1469
Db	961	CTTGTAATCTCCCAAGTCAATGAGCACTCAGGTGGTGTCTAGTTTCCCTGTTGGCAATCC	1020
Qy	1470	AGCCCCATCCCACTTGTGGAGAGATGTCTACACAGCAAGTACAGCCAAAGAGGCT	1529
Db	1021	AGCCCCATCCCACTTGTGGAGAGATGTCTACACAGCAAGTACAGCCAAAGAGGCT	1080
Qy	1530	GGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACTGTTCAATGAATGATCCA	1589
Db	1081	GGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACTGTTCAATGAATGATCCA	1140
Qy	1590	GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC	1649
Db	1141	GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC	1200
Qy	1650	AGATGGGGGGCCACAGAGGATGAGGTGAGCGCTCCCTGCTCTGTAACACGCGGCGCT	1709
Db	1201	AGATGGGGGGCCACAGAGGATGAGGTGAGCGCTCCCTGCTCTGTAACACGCGGCGCT	1260
Qy	1710	CCCTTTGATTTTCCAAACAGATCTGCAACACAGGAGCGTGTACGGTGGCATCATCTCCCC	1769
Db	1261	CCCTTTGATTTTCCAAACAGATCTGCAACACAGGAGCGTGTACGGTGGCATCATCTCCCC	1320
Qy	1770	CTCCATGCTCTGCGGGGCTACCTGACCGGTGGGTGACAGCTGCCAGGGGGAACAGCGG	1829
Db	1321	CTCCATGCTCTGCGGGGCTACCTGACCGGTGGGTGACAGCTGCCAGGGGGAACAGCGG	1380
Qy	1830	GGGGCCCTGTTGTCTAAGAGAGGAGCTGTGGAAGTTAGTGGGAGCGACAGCTTTGG	1889
Db	1381	GGGGCCCTGTTGTCTAAGAGAGGAGCTGTGGAAGTTAGTGGGAGCGACAGCTTTGG	1440
Qy	1890	CATCGGTGCGCAGAGGTGAACAAAGCTGGGGTGTACACCCGTGTCACTCTCTCTGGA	1949
Db	1441	CATCGGTGCGCAGAGGTGAACAAAGCTGGGGTGTACACCCGTGTCACTCTCTCTGGA	1500
Qy	1950	CTGGATCCACAGCAGATGGAGAGACCTTAAAACTTAAAACTTAAAACTTAAAACTTAAAA	2009
Db	1501	CTGGATCCACAGCAGATGGAGAGACCTTAAAACTTAAAACTTAAAACTTAAAACTTAAAA	1560
Qy	2010	CACCTGAGTTCTGAGGTGATGAAGACAGCCCGATCTCCCTGAGCTCCCGTGTAGGAA	2069
Db	1561	CACCTGAGTTCTGAGGTGATGAAGACAGCCCGATCTCCCTGAGCTCCCGTGTAGGAA	1620
Qy	2070	CCTGCACACGAGCAGACACCTTGGAGCTCTGAGTTCGGGACACAGTACAGGCGCCGAAA	2129
Db	1621	CCTGCACACGAGCAGACACCTTGGAGCTCTGAGTTCGGGACACAGTACAGGCGCCGAAA	1680
Qy	2130	GAGGCACTCTTCATCTGATTCAGCAACACCTTCAAGCTGCTTTTGTGTTTTT	2189
Db	1681	GAGGCACTCTTCATCTGATTCAGCAACACCTTCAAGCTGCTTTTGTGTTTTT	1740
Qy	2190	TTGAGATGAGTCTCGCTCTGTGTCAGGCTGGAGTGGCGGAATTCCTGCTCAC	2249
Db	1741	TTGAGATGAGTCTCGCTCTGTGTCAGGCTGGAGTGGCGGAATTCCTGCTCAC	1800
Qy	2250	TGCAGCTCCGCTTCCCTGGTTTCAAGCGATTCCTTGGCTCAGCTTCCCGAGTAGCTGGG	2309
Db	1801	TGCAGCTCCGCTTCCCTGGTTTCAAGCGATTCCTTGGCTCAGCTTCCCGAGTAGCTGGG	1860
Qy	2310	ACCACAGGTGCCCCGCCACACACCACTAAATTTTGTATTTTGTAGTAGAGACAGGGTTT	2369

Db 1861 ACCACAGTGGCCGCCACCACTAATTTTGTATTTTATGTAGACAGGGTTT 1920
Qy 2370 CACCATGTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTCCTTACGCC 2429
Db 1921 CACCATGTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTCCTTACGCC 1980
Qy 2430 TCCACAGTGTGGGATTAAGGATGAGGATGGGCCACACAGCCTAGCCTCAGCTCTTTCTGA 2489
Db 1981 TCCACAGTGTGGGATTAAGGATGAGGATGGGCCACACAGCCTAGCCTCAGCTCTTTCTGA 2040
Qy 2490 TCTTCACTTAAGAACAAAGAGCAGCAACTTGAAGGGCGGCCCTTTCCTCACTGGTCCATC 2549
Db 2041 TCTTCACTTAAGAACAAAGAGCAGCAACTTGAAGGGCGGCCCTTTCCTCACTGGTCCATC 2100
Qy 2550 TGGTTTTCTCTCCAGGGGTCTTGCAAAATCTCTGACAGATAGCAGTTATGTGACCTCA 2609
Db 2101 TGGTTTTCTCTCCAGGGGTCTTGCAAAATCTCTGACAGATAGCAGTTATGTGACCTCA 2160
Qy 2610 CGTCAAGCCACCAACAGCCACTCAGAAAGACGACCCAGCCAGAGTCGAGAACTGC 2669
Db 2161 CGTCAAGCCACCAACAGCCACTCAGAAAGACGACCCAGCCAGAGTCGAGAACTGC 2220
Qy 2670 AGTCACCTGCAGCTTTTCTATCTCTAGGACAGAACCAACCCACCCTTTCTACTTTCCAAG 2729
Db 2221 AGTCACCTGCAGCTTTTCTATCTCTAGGACAGAACCAACCCACCCTTTCTACTTTCCAAG 2280
Qy 2730 ACTTATTTTTCATGTGGGGAGTTAATCTAGGAATGACTCGTTTAAAGGCCATATTTTCAT 2789
Db 2281 ACTTATTTTTCATGTGGGGAGTTAATCTAGGAATGACTCGTTTAAAGGCCATATTTTCAT 2340
Qy 2790 GATTTCTTTGTAGCATTTGGTGTGACGATTAATTTGCTTTCATTCGAAATTAATATGT 2849
Db 2341 GATTTCTTTGTAGCATTTGGTGTGACGATTAATTTGCTTTCATTCGAAATTAATATGT 2400
Qy 2850 TTCCTTCCCTCATWRAMAAAAAAAAAAAAAAAAAAAA 2883
Db 2401 TTCCTTCCCTCATTTGAACAAAAAAAAAAAAAAAAAAAA 2434

RESULT 11
US-09-814-353-19271
; Sequence 19271, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19271
; LENGTH: 2434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-19271

Query Match 82.4%; Score 2428; DB 3; Length 2434;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2428; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
Qy 450 ACTTTTCGTTCTTAATTTAGGTTCATGCCGTATGACGAGGAAAGGGCTGTGTTTATGGAA 509
Db 1 ACTTTTCGTTCTTAATTTAGGTTCATGCCGTATGACGAGGAAAGGGCTGTGTTTATGGAA 60
Qy 510 GCAGTAACACTGTGGCCTACTATCTTCCGTGGTGCCATCTACATTTTGGGACTCGG 569
Db 61 GCAGTAACACTGTGGCCTACTATCTTCCGTGGTGCCATCTACATTTTGGGACTCGG 120
Qy 570 GAATTATGAGGTAGAGTGGAGGGGAGCCGGATGTCAGAGGTCTTGAATAGTCACCAT 629
Db 121 GAATTATGAGGTAGAGTGGAGGGGAGCCGGATGTCAGAGGTCTTGAATAGTCACCAT 180
Qy 630 GGGGAAAAATGATCCGCTGCTGTGAAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT 689
Db 181 GGGGAAAAATGATCCGCTGCTGTGAAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT 240
Qy 690 TGATGATTTGAAAAATAGTCCCTGTGTGCAACAGATGAGATGCTGTGCTGCAAGATCCT 749
Db 241 TGATGATTTGAAAAATAGTCCCTGTGTGCAACAGATGAGATGCTGTGCTGCAAGATCCT 300
Qy 750 GTCACTGCTGCCATTTGAAGTTTTTCCCAATCATGTCATTTGGGATCATTCGATGATATT 809
Db 301 GTCACTGCTGCCATTTGAAGTTTTTCCCAATCATGTCATTTGGGATCATTCGATGATATT 360
Qy 810 AGCACTGGCCATTTGCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC 869
Db 361 AGCACTGGCCATTTGCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC 420
Qy 870 ATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCGAAAGCG 929
Db 421 ATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCGAAAGCG 480
Qy 930 GGAGGACGATACCGCTGTGTCGGGTGGGTGAGATGCGGTCGCTCCAGGTGTTTAC 989
Db 481 GGAGGACGATACCGCTGTGTCGGGTGGGTGAGATGCGGATTCGAGGTGTTTAC 540
Qy 990 AGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTTACCAATGTTGC 1049
Db 541 AGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTTACCAATGTTGC 600
Qy 1050 CTGTGCCAACTCGGTTTCCAAAGCTATGTAGTTCAGATAAACCCTCAGAGTGAGCTCGCT 1109
Db 601 CTGTGCCAACTCGGTTTCCAAAGCTATGTAGTTCAGATAAACCCTCAGAGTGAGCTCGCT 660
Qy 1110 GGAGGGCAGTTCCGGGAGGAGTTTGTGTCATCGATCAGCTCTTCCAGATGCAAGGT 1169
Db 661 GGAGGGCAGTTCCGGGAGGAGTTTGTGTCATCGATCAGCTCTTCCAGATGCAAGGT 720
Qy 1170 GACTGCATTACACACTCAGTATATGTAGGAGGAGTGTGCTCTGGCCACGCTGGTTAC 1229
Db 721 GACTGCATTACACACTCAGTATATGTAGGAGGAGTGTGCTCTGGCCACGCTGGTTAC 780
Qy 1230 CTTTCAGTGCACAGCCTGTGCTCATAGAGGGGCTACAGCTCAGCATCGTGGGTGAAA 1289
Db 781 CTTTCAGTGCACAGCCTGTGCTCATAGAGGGGCTACAGCTCAGCATCGTGGGTGAAA 840
Qy 1290 CATGTCTCTCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCAGGGCTACCACT 1349
Db 841 CATGTCTCTCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCAGGGCTACCACT 900
Qy 1350 GTGGGGGGCTCTGTTCATCACGCCCTCTGTGATCATCACTGCTGCACACTGTGTTATGA 1409
Db 901 GTGGGGGGCTCTGTTCATCACGCCCTCTGTGATCATCACTGCTGCACACTGTGTTATGA 960
Qy 1410 CTTGTACCTCCCAAGTCATGGACCAATCCAGGTGGGTCTAGTTTCCCTGTGGCAATCC 1469
Db 961 CTTGTACCTCCCAAGTCATGGACCAATCCAGGTGGGTCTAGTTTCCCTGTGGCAATCC 1020

QY 1470 AGCCCCATCCACTTGGTGGAGAGATTGTCTTACCAAGCAAGTACAAAGCCAAAGAGGCT 1529
DB 1021 AGCCCCATCCCACTTGGTGGAGAGATTGTCTTACCAAGCAAGTACAAAGCCAAAGAGGCT 1080
QY 1530 GGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCAAGTTCAATGAATGATCCA 1589
DB 1081 GGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCAAGTTCAATGAATGATCCA 1140
QY 1590 GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGCATGGAAGTGTGCTGACGCTC 1649
DB 1141 GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGCATGGAAGTGTGCTGACGCTC 1200
QY 1650 AGGATGGGGGGCCACAGAGGATGGAGGTGACGCTTCCCTGTCTGAAACCAAGCGGCGGT 1709
DB 1201 AGGATGGGGGGCCACAGAGGATGGAGGTGACGCTTCCCTGTCTGAAACCAAGCGGCGGT 1260
QY 1710 CCCTTTGATTTCCAAACAAGATCTGCAACACAGGAGCGTGTACGCTGGGATCATCTCCCC 1769
DB 1261 CCCTTTGATTTCCAAACAAGATCTGCAACACAGGAGCGTGTACGCTGGGATCATCTCCCC 1320
QY 1770 TCCCATGTCTCGCGGGGTACTGACGGGTGGCTGGACAGCTGCCAGGGGGACAGCGG 1829
DB 1321 TCCCATGTCTCGCGGGGTACTGACGGGTGGCTGGACAGCTGCCAGGGGGACAGCGG 1380
QY 1830 GGGGCCCCCTGGTGTCTCAAGAGAGAGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGG 1889
DB 1381 GGGGCCCCCTGGTGTCTCAAGAGAGAGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGG 1440
QY 1890 CATCGGCTGCGCAGAGGTGAACAAGCTGGGGGTGTACACCCGTGTCACTCTCTCTGGA 1949
DB 1441 CATCGGCTGCGCAGAGGTGAACAAGCTGGGGGTGTACACCCGTGTCACTCTCTCTGGA 1500
QY 1950 CTGGATTCACGAGAGATGGAGAGAGACCTTAAACCTGAAAGAGAGGGGACAGTAGC 2009
DB 1501 CTGGATTCACGAGAGATGGAGAGAGACCTTAAACCTGAAAGAGAGGGGACAGTAGC 1560
QY 2010 CACCTGAGTTCTGAGGTGATCAAGACAGCGCCGATCTCCCTGGACTCCCGTGTAGGA 2069
DB 1561 CACCTGAGTTCTGAGGTGATCAAGACAGCGCCGATCTCCCTGGACTCCCGTGTAGGA 1620
QY 2070 CTTGCACAGCAGCAGACACCTTTGGAGCTCTGAGTTCGGGACCAAGTAGCAGGCCGAAA 2129
DB 1621 CTTGCACAGCAGCAGACACCTTTGGAGCTCTGAGTTCGGGACCAAGTAGCAGGCCGAAA 1680
QY 2130 GAGGACACCTTCACTGATTCACGACCAACCTTCAAGCTGCTTTTGTGTTTTTGT 2189
DB 1681 GAGGACACCTTCACTGATTCACGACCAACCTTCAAGCTGCTTTTGTGTTTTTGT 1740
QY 2190 TTTGAGATGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGCGAAATCCCTGCTAC 2249
DB 1741 TTTGAGATGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGCGAAATCCCTGCTAC 1800
QY 2250 TGCAGCTCCGCTTCCCTGGTTCAAGCGATTCTTTGCTCAGCTTCCCAGTAGCTGGG 2309
DB 1801 TGCAGCTCCGCTTCCCTGGTTCAAGCGATTCTTTGCTCAGCTTCCCAGTAGCTGGG 1860
QY 2310 ACCAAGTGGCCGCCACACACCACTTAAATTTTGTATTTTGTATTTAGTAGAGAGGGTTT 2369
DB 1861 ACCAAGTGGCCGCCACACCACTTAAATTTTGTATTTTGTATTTAGTAGAGAGGGTTT 1920
QY 2370 CACCATGTTGGCCAGGCTGCTCTCAACCCCTGACCTCAATGATGTGCTGCTCAGCC 2429
DB 1921 CACCATGTTGGCCAGGCTGCTCTCAACCCCTGACCTCAATGATGTGCTGCTCAGCC 1980
QY 2430 TCCACAGTGTGGGATTACAGGATGGGCGCCACAGCTAGCTCAGCTCCTCTTTCTGA 2489
DB 1981 TCCACAGTGTGGGATTACAGGATGGGCGCCACAGCTAGCTCAGCTCCTCTTTCTGA 2040
QY 2490 TCTTCACTAAGAAACAAAGAGCAGCAATTTGCAAGGGCGGCTTTCCCACTGGTCCATC 2549
DB 2041 TCTTCACTAAGAAACAAAGAGCAGCAATTTGCAAGGGCGGCTTTCCCACTGGTCCATC 2100
QY 2550 TGGTTTTCTCTCCAGGGGTCTTGCAAAATTTCTGACGAGATGAAGCAGTTATGTGACCTCA 2609

DB 2101 TGGTTTTCTCTCCAGGGGTCTTGCAAAATTTCTGACGAGATAAGCAGTTATGTGACCTCA 2160
QY 2610 CGTCCAAAGCCACCAACAGCCACTCAGAAAGAGCGCACCGCCAGAGAGTGCAGAACTGC 2669
DB 2161 CGTCCAAAGCCACCAACAGCCACTCAGAAAGAGCGCACCGCCAGAGAGTGCAGAACTGC 2220
QY 2670 AGTCACTGCACGTTTTTCATCTCTAGGGACCAAGAACCCACCCCTTTCTACTTCCAAG 2729
DB 2221 AGTCACTGCACGTTTTTCATCTCTAGGGACCAAGAACCCACCCCTTTCTACTTCCAAG 2280
QY 2730 ACTTATTTTCATGTGGGGAGGTTAATCTAGGAATGACTCGTTTAAGGCTATTTTCAT 2789
DB 2281 ACTTATTTTCATGTGGGGAGGTTAATCTAGGAATGACTCGTTTAAGGCTATTTTCAT 2340
QY 2790 GATTTCTTTGTAGCATTTGTGCTTTGACGTATTTATTTGCTTTGATTTCCAAATAATATGT 2849
DB 2341 GATTTCTTTGTAGCATTTGTGCTTTGACGTATTTATTTGCTTTGATTTCCAAATAATATGT 2400
QY 2850 TTTCTTCTCTCATTTWRAAAMAAAAA 2883
DB 2401 TTTCTTCTCTCATTTGAACAAAAA 2434

RESULT 12

US-09-978-295A-68
; Sequence 68, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC11
; CURRENT APPLICATION NUMBER: US/09/978,295A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10

[illegible]

; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;
QY 503 ATGGGAAGCCAGTAACACTGTGGCTACTATCTCTTCGCTGGTGCATCTACATTTTGG 562
DB 1 ATGGGAAGCCAGTAACACTGTGGCTACTATCTCTTCGCTGGTGCATCTACATTTTGG 60
QY 563 GACTCGGGAATTTATGAGGTAGAGGTGGAGGCGGAGCCGAGTGTAGAGGTCTCTGAATAG 622
DB 61 GACTCGGGAATTTATGAGGTAGAGGTGGAGGCGGAGCCGAGTGTAGAGGTCTCTGAATAG 120
QY 623 TCACATGGGGGAAAATGATCCGCTGCTGTGTTGAAGCCCCCTTCTCATTCGATCGCTTT 582
DB 121 TCACATGGGGGAAAATGATCCGCTGCTGTGTTGAAGCCCCCTTCTCATTCGATCGCTTT 180
QY 683 TTGGCTTGATGATTTGAAAATAAGTCTGTTGACCAAGATGATGATGCTGTGCTGCAC 742
DB 181 TTGGCTTGATGATTTGAAAATAAGTCTGTTGACCAAGATGATGATGCTGTGCTGCAC 240
QY 743 AGATCCTGTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 802
DB 241 AGATCCTGTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
QY 803 TGATATTAGACTGGCCATTGCTGGGCAATCCACTTCGACTGCTCAGGGAATGACAT 862
DB 301 TGATATTAGACTGGCCATTGCTGGGCAATCCACTTCGACTGCTCAGGGAATGACAT 360
QY 863 GTCCGCTCATCTTTAAGTGTATCGAGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 922
DB 361 GTCCGCTCATCTTTAAGTGTATCGAGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 420
QY 923 AAGACGGGGAGGACGAGTACCGCTGTGCTCGGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 982
DB 421 AAGACGGGGAGGAGGAGTACCGCTGTGCTCGGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 480
QY 983 TGTTCACAGCTGCTTCGTGGAGAGACCATGTGCTCCGATGATGCTGGAGGGTCACTACGCA 1042
DB 481 TGTTCACAGCTGCTTCGTGGAGAGACCATGTGCTCCGATGATGCTGGAGGGTCACTACGCA 540
QY 1043 ATGTTGCCCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATACCTCAGAGTGA 1102
DB 541 ATGTTGCCCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATACCTCAGAGTGA 600
QY 1103 GCTCGCTGGAGGGGAGTTCGGGGAGGAGTTTGTGCTCCATCGATCACTTCGCCAGATG 1162
DB 601 GCTCGCTGGAGGGGAGTTCGGGGAGGAGTTTGTGCTCCATCGATCACTTCGCCAGATG 660
QY 1163 ACAAGGTGATGCTGATTTACCACTCAGTATATGTGAGGGAGGATGTGCTTCGGCCAGC 1222
DB 661 ACAAGGTGATGCTGATTTACCACTCAGTATATGTGAGGGAGGATGTGCTTCGGCCAGC 720
QY 1223 TGGTTACCTTGCAGTGCAGCTGTGCTGATAGAGGGGCTACAGCTCAGGCATCGTGG 1282
DB 721 TGGTTACCTTGCAGTGCAGCTGTGCTGATAGAGGGGCTACAGCTCAGGCATCGTGG 780
QY 1283 GTGGAACATGCTCTTGTGCTCTCGAGTGGCCCTGGCAGGCGAGCCCTTCAGTTCCAGGGCT 1342
DB 781 GTGGAACATGCTCTTGTGCTCTCGAGTGGCCCTGGCAGGCGAGCCCTTCAGTTCCAGGGCT 840
QY 1343 ACCACCTGTGCGGGGCTGTGCTCATCAAGCCCTGTGAGTATCATGCTGACATGCTG 1402
DB 841 ACCACCTGTGCGGGGCTGTGCTCATCAAGCCCTGTGAGTATCATGCTGACATGCTG 900
QY 1403 TTTATGACTTGTACCTCCCCAAGTATGAGGAGTCCAGGTGGTCTAGTTTCCCTGTGG 1462

DB 901 TTTATGACTTGTACCTCCCAAGTATGAGGACCATCAGGTGGTCTAGTTTCCCTGTGG 960
QY 1463 ACAATCCAGCCCCCATCCACTTGTGGAGAGATTGTCTACACAGCAAGTACAGCCAA 1522
DB 961 ACAATCCAGCCCCCATCCACTTGTGGAGAGATTGTCTACACAGCAAGTACAGCCAA 1020
QY 1523 AGAGGCTGGGCAATGACATCGCCCTTATGAGCTGGCGGCGCACTACGTTCAATGAAA 1582
DB 1021 AGAGGCTGGGCAATGACATCGCCCTTATGAGCTGGCGGCGCACTACGTTCAATGAAA 1080
QY 1583 TGATCCAGCTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGT 1642
DB 1081 TGATCCAGCTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGT 1140
QY 1643 GGAGCTCAGGATGGGGGCCACAGAGGATGAGGTGAGCTCCCTCTGCTGAACACAG 1702
DB 1141 GGAGCTCAGGATGGGGGCCACAGAGGATGAGGTGAGCTCCCTCTGCTGAACACAG 1200
QY 1703 CGGCGCTCCCTTTGATTTTCCAAAGATCTGCAACCAAGGAGCTGTACGCTGGCATCA 1762
DB 1201 CGGCGCTCCCTTTGATTTTCCAAAGATCTGCAACCAAGGAGCTGTACGCTGGCATCA 1260
QY 1763 TCTCCCCCTCCATGCTCTGCGGGGCTACTGACGCGGTGGGTGAGCAGCTGCCAGGGG 1822
DB 1261 TCTCCCCCTCCATGCTCTGCGGGGCTACTGACGCGGTGGGTGAGCAGCTGCCAGGGG 1320
QY 1823 ACAGGGGGGGCCCCCTGCTGCAAGAGAGAGGCTGTGGAAGTTAGTGGAGGAGCA 1882
DB 1321 ACAGGGGGGGCCCCCTGCTGCTGCAAGAGAGAGGCTGTGGAAGTTAGTGGAGGAGCA 1380
QY 1883 GCTTTGGCATCGGCTGCGCAGAGGTGAAACAAAGCTTGGGTGTACACCGTGTCACTCT 1942
DB 1381 GCTTTGGCATCGGCTGCGCAGAGGTGAAACAAAGCTTGGGTGTACACCGTGTCACTCTCT 1440
QY 1943 TCTTGGCATCGGCTGCGCAGAGGTGAAACAAAGCTTGGGTGTACACCGTGTCACTCTCT 2002
DB 1441 TCTTGGCATCGGCTGCGCAGAGGTGAAACAAAGCTTGGGTGTACACCGTGTCACTCTCT 1500
QY 2003 AAGTAGCCACCTGAGTTCCTGAGGTGATGAGACAGCCGATCTCCCTCGACTCCCGT 2062
DB 1501 AAGTAGCCACCTGAGTTCCTGAGGTGATGAGACAGCCGATCTCCCTCGACTCCCGT 1560
QY 2063 GTAGGAACTGACACAGAGACACCTTGGAGCTCTGAGTTCCGGGACCAAGTAGCAG 2122
DB 1561 GTAGGAACTGACACAGAGACACCTTGGAGCTCTGAGTTCCGGGACCAAGTAGCAG 1620
QY 2123 CCGGAAAGAGGACACCTTCCATCTGATTCAGCAAACTTCAAGTGTCTTTTGT 2182
DB 1621 CCGGAAAGAGGACACCTTCCATCTGATTCAGCAAACTTCAAGTGTCTTTTGT 1680
QY 2183 TGTTTTGTGATGAGTCTGCTCTGTTGCCAGGCTGGAGTGCAGTGGCGAAATCC 2242
DB 1681 TGTTTTGTGAGTGGAGTCTGCTCTGTTGCCAGGCTGGAGTGCAGTGGCGAAATCC 1740
QY 2243 TGTCTCAGTGCAGCTCCGCTTCCCTGGTTCAAGCGATCTCTTGTGCTCAGCTTCCCGAGT 2302
DB 1741 TGTCTCAGTGCAGCTCCGCTTCCCTGGTTCAAGCGATCTCTTGTGCTCAGCTTCCCGAGT 1800
QY 2303 AGCTGGGACCAAGGTTGGCGCCCAACCACTTAATTTTGTATTTTGTATTTTGTATGAGAC 2362
DB 1801 AGCTGGGACCAAGGTTGGCGCCCAACCACTTAATTTTGTATTTTGTATTTTGTATGAGAC 1860
QY 2363 AGGTTTCACTATGTTGGCAGGCTGCTCTCAAAACCTGAGCTCAAAATGATGCTGCTGC 2422
DB 1861 AGGTTTCACTATGTTGGCAGGCTGCTCTCAAAACCTGAGCTCAAAATGATGCTGCTGC 1920
QY 2423 TTTAGCTCCCAAGTGTGAGTATACAGGATGGGCAACAGCTTAGCTCAGCTC 2482
DB 1921 TTTAGCTCCCAAGTGTGAGTATACAGGATGGGCAACAGCTTAGCTCAGCTC 1980
QY 2483 TTTTGTGATCTTCAAGAAACAAAGAGAGCACTTCAAGGGGCGCTTTCACCTG 2542

Db 841 ACCACCTGTGCGGGGCTCTGTCAACGCCCCCTGTGGATCATCACTGCTGCACACTGTG 900
Qy 1403 TTTATGACTTGTACTCTCCCAAGTCAATGGACATTCAGGTGGGTCTAGTTTCCCTGTTGG 1462
Db 901 TTTATGACTTGTACTCTCCCAAGTCAATGGACATTCAGGTGGGTCTAGTTTCCCTGTTGG 960
Qy 1463 ACAATCCAGCCCCATCCCACTTGGTGGAGAGATTGTCTACACAGCAAGTACAGCCAA 1522
Db 961 ACAATCCAGCCCCATCCCACTTGGTGGAGAGATTGTCTACACAGCAAGTACAGCCAA 1020
Qy 1523 AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCATGAAA 1582
Db 1021 AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCATGAAA 1080
Qy 1583 TGATCCAGCCTGTGTGCTTGCCTGCCCCTTGAAGAGAACTTCCCGGATGGAAAAGTGTGCT 1642
Db 1081 TGATCCAGCCTGTGTGCTTGCCTGCCCCTTGAAGAGAACTTCCCGGATGGAAAAGTGTGCT 1140
Qy 1643 GGAGCTCAGGATGGGGGCCACAGAGGATGGAGGTGACGCTCCCTGCTGCTGAACCAAG 1702
Db 1141 GGAGCTCAGGATGGGGGCCACAGAGGATGGAGGTGACGCTCCCTGCTGCTGAACCAAG 1200
Qy 1703 CGGCGCTCCCTTTGATTTCCAAAGATCTGCACACAGGAGCTGTACGGTGGCATCA 1762
Db 1201 CGGCGCTCCCTTTGATTTCCAAAGATCTGCACACAGGAGCTGTACGGTGGCATCA 1260
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Qy 1823 ACAGGGGGGCCCTCGTGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGAGCGACCA 1882
Db 1321 ACAGGGGGGGCCCTCGTGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGAGCGACCA 1380
Qy 1883 GCTTTGGCATCGGCTGGCGAGAGGTGAACAGCCCTGGGGTGTACACCCGCTGCACCTCCT 1942
Db 1381 GCTTTGGCATCGGCTGGCGAGAGGTGAACAGCCCTGGGGTGTACACCCGCTGCACCTCCT 1440
Qy 1943 TCCTGGACTGATCCACGAGCAGATGGAGAGAGACCTTAAACCTCTGAAAAGGAAGGGGAC 2002
Db 1441 TCCTGGACTGATCCACGAGCAGATGGAGAGAGACCTTAAACCTCTGAAAAGGAAGGGGAC 1500
Qy 2003 AAGTAGCCACTGAGTTCCTGAGGTGATGAAGCAGCCCGATCCTCCCTGGACTCCCGT 2062
Db 1501 AAGTAGCCACTGAGTTCCTGAGGTGATGAAGCAGCCCGATCCTCCCTGGACTCCCGT 1560
Qy 2063 GTAGGAACCTGCACACGAGCAGACACCTTGGAGCTCTGAGTTCGGGCACCCAGTAGCAGG 2122
Db 1561 GTAGGAACCTGCACACGAGCAGACACCTTGGAGCTCTGAGTTCGGGCACCCAGTAGCAGG 1620
Qy 2123 CCCGAAAGAGCACCTTCCATCTGATTCACAGCAACACCTTCAAGCTGCTTTTTGTTTTT 2182
Db 1621 CCCGAAAGAGCACCTTCCATCTGATTCACAGCAACACCTTCAAGCTGCTTTTTGTTTTT 1680
Qy 2183 TGTTTTTTGGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGGCGAATCCC 2242
Db 1681 TGTTTTTTGGAGTGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGGCGAATCCC 1740
Qy 2243 TGCTCACTGACGCTCCGCTTCCCTGTTCAAGGATTTCTTCCCTCAGCTTCCCGCAGT 2302
Db 1741 TGCTCACTGACGCTCCGCTTCCCTGTTCAAGGATTTCTTCCCTCAGCTTCCCGCAGT 1800
Qy 2303 AGCTGGGACCAAGGTGCCCGGCCACCAACCACTTAATTTTTGATTTTTTAGTAGAGAC 2362
Db 1801 AGCTGGGACCAAGGTGCCCGGCCACCAACCACTTAATTTTTGATTTTTTAGTAGAGAC 1860
Qy 2363 AGGTTTTTCAACATGTTGGCAGGCTGCTCTCAACCCCTGACCTCAATGATGTCCTGC 2422
Db 1861 AGGTTTTTCAACATGTTGGCAGGCTGCTCTCAACCCCTGACCTCAATGATGTCCTGC 1920
Qy 2423 TTCAGCCTCCACAGTGTGGGATTTACAGGCGATGGGGCCACACGCTTACGCTCACGCTCC 2482
Db 1921 TTCAGCCTCCACAGTGTGGGATTTACAGGCGATGGGGCCACACGCTTACGCTCACGCTCC 1980

Qy 2483 TTTCTGATCTTCACTAAGAACAAAAGAACGAACTTGCAGGGCGGCTTTTCCCACTG 2542
Db 1981 TTTCTGATCTTCACTAAGAACAAAAGAACGAACTTGCAGGGCGGCTTTTCCCACTG 2040
Qy 2543 GTCCATCTGGTTTTCTCTCCAGGGGTCTTGCAAAATTTCTGACGAGATAAGCAGTTATGT 2602
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Qy 2603 GACCTCACTGTCAAAGCCCAACACAGCCACTTCAGAAAAGACGACCCAGAGTGA 2662
Db 2100 GACCTCACTGTCAAAGCCCAACACAGCCACTTCAGAAAAGACGACCCAGAGTGA 2159
Qy 2663 GAACTGCACTGTCAGCTTTTTCATCTCTAGGACGACCAACCCACCTTTCTAC 2722
Db 2160 GAACTGCACTGTCAGCTTTTTCATCTCTAGGACGACCAACCCACCTTTCTAC 2219
Qy 2723 TTCCAAAGCTTATTTTTCACATGTGGGAGGTAACTTAGGAATGACTCGTTTAAAGGCCTA 2782
Db 2220 TTCCAAAGCTTATTTTTCACATGTGGGAGGTAACTTAGGAATGACTCGTTTAAAGGCCTA 2279
Qy 2783 TTTTCATGATTTCTTTTCTAGCATTTGCTGTGACGTTATTTCTCTTTGATTTCCAAAT 2842
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Qy 2843 AATATGTTTCTTCCCTCATWR 2864
Db 2340 AATATGTTTCTTCCCTCATTTG 2361

RESULT 14

US-09-978-192A-68
; Sequence 68, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03

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; PRIOR APPLICATION NUMBER: 60/085700									
; PRIOR FILING DATE: 1998-05-15									
; PRIOR APPLICATION NUMBER: 60/085689									
; PRIOR FILING DATE: 1998-05-15									
; PRIOR APPLICATION NUMBER: 60/085579									
; PRIOR FILING DATE: 1998-05-15									
; PRIOR APPLICATION NUMBER: 60/085580									
; PRIOR FILING DATE: 1998-05-15									
; PRIOR APPLICATION NUMBER: 60/085573									
; PRIOR FILING DATE: 1998-05-15									
; PRIOR APPLICATION NUMBER: 60/085704									
; PRIOR FILING DATE: 1998-05-15									
; PRIOR APPLICATION NUMBER: 60/085697									
Query Match 79.6%; Score 2346; DB 3; Length 2412;									
Best Local Similarity 99.8%; Pred. No. 0;									
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;									
Qy	503	ATGGGAAGCCAGTAACACTGTGGCTACTATCTCTCCGTGGTGCCCATCTACATTTTGG	562	1343	ACCACCTGTGCGGGGCTCTGTTCATCACGCCCTCTGTGGATCATCTACTGCTGCACACTGTG	1402	Qy	1343	ACCACCTGTGCGGGGCTCTGTTCATCACGCCCTCTGTGGATCATCTACTGCTGCACACTGTG
Db	1	ATGGGAAGCCAGTAACACTGTGGCTACTATCTCTCCGTGGTGCCCATCTACATTTTGG	60	841	ACCACCTGTGCGGGGCTCTGTTCATCACGCCCTCTGTGGATCATCTACTGCTGCACACTGTG	900	Db	841	ACCACCTGTGCGGGGCTCTGTTCATCACGCCCTCTGTGGATCATCTACTGCTGCACACTGTG
Qy	563	GACTCGGAAATATGAGGTAGAGGTGGAGCGGAGCCGGATGTGAGAGGTCTTGAATAG	622	1403	TTTATGACTTTGTACCTCCCAAGTCATGAGCACTTCCAGGTGGGTCTAGTTTCCCTGTTGG	1462	Qy	1403	TTTATGACTTTGTACCTCCCAAGTCATGAGCACTTCCAGGTGGGTCTAGTTTCCCTGTTGG
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Qy	623	TCACCATGGGGAAATGATCCGCTGCTGTGTAAGCCCGCTTCTCATTCGGATCGCTTT	682	1463	ACAATCCAGCCCATCCCACTTGGTGGAGAAGATTGTCTACCAACAGCAAGTACAAAGCAA	1522	Qy	1463	ACAATCCAGCCCATCCCACTTGGTGGAGAAGATTGTCTACCAACAGCAAGTACAAAGCAA
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Qy	683	TTGGCCCTTGATGATTTGAAATAAGTCTCTGTTGACACAGATGCAGATGCTGTCTGCAC	742	1523	AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAA	1582	Qy	1523	AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAA
Db	181	TTGGCCCTTGATGATTTGAAATAAGTCTCTGTTGACACAGATGCAGATGCTGTGCTGCAC	240	1021	AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAA	1080	Db	1021	AGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAA
Qy	743	AGATCCCTGTCACTGCTGCCATGTAAGTCTTCCAAATCATCGTCAATGGGATCATTCAT	802	1583	TGATCCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCT	1642	Qy	1583	TGATCCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCT
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Qy	1103	GCTCGCTGGAGGGGACGTTCCGGGAGGAGTTTGTGCTCCATCGATCAGTCTTGGCAGATG	1162	1943	TCCTGGAAGTGGATCGAGCAGATGGAGAGACCTTAAACAACTGAAAAAGAGGGGAC	2002	Qy	1943	TCCTGGAAGTGGATCGAGCAGATGGAGAGACCTTAAACAACTGAAAAAGAGGGGAC
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Qy	1223	TGGTTACCTTGCAGTGACAGCCTGTGCTCATAGAAGGGCTACAGCTCAGCATCGTGG	1282	2063	GTAGGAACCTGACACAGGACAGACCCCTTGGAGCTGTAGTTCCCGCACAGTAGCAGG	2122	Qy	2063	GTAGGAACCTGACACAGGACAGACCCCTTGGAGCTGTAGTTCCCGCACAGTAGCAGG
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 22:16:44 ; Search time 455.538 Seconds
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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA New:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	239.4	8.1	187745	7	US-11-121-086-83
4	237.8	8.1	149419	7	US-11-112-908-49
5	237.8	8.1	161726	7	US-11-112-908-48
6	237.8	8.1	161726	7	US-11-112-908-52
7	237.8	8.1	166111	7	US-11-112-908-47
8	237.2	8.0	1827	6	US-10-821-234-136
9	237.2	8.0	32157	6	US-10-995-561-13352
10	237	8.0	44362	6	US-10-995-561-13422
11	236.8	8.0	126552	7	US-11-121-086-1
12	236.8	8.0	191884	7	US-11-121-086-2
13	236.2	8.0	165857	7	US-11-121-086-34
14	235.2	8.0	180862	7	US-11-112-908-40
15	235.2	8.0	215308	7	US-11-121-086-77
16	235.2	8.0	380749	6	US-10-995-561-13216
17	234.6	8.0	127917	6	US-10-775-169-82
18	234.4	8.0	14804	6	US-10-995-561-13379
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20	234.4	8.0	130472	6	US-10-995-561-13312
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23	232.6	7.9	86081	6	US-10-995-561-13246

Sequence 20, Appl
Sequence 13286, A
Sequence 234, App
Sequence 48, Appl
Sequence 13303, A
Sequence 35, Appl
Sequence 13304, A
Sequence 45, Appl
Sequence 3, Appl
Sequence 13274, A
Sequence 13274, A
Sequence 13230, A
Sequence 13331, A
Sequence 13338, A
Sequence 60, Appl
Sequence 13365, A
Sequence 13366, A
Sequence 13453, A
Sequence 13454, A
Sequence 13276, A
Sequence 193, App
Sequence 13262, A
Sequence 56, Appl

7.9 162289 7 US-11-121-086-20
7.9 1125000 6 US-10-995-561-13286
7.9 35962 6 US-10-775-169-234
7.9 120697 7 US-11-121-086-48
7.9 201990 6 US-10-995-561-13303
7.9 127340 7 US-11-112-908-35
7.9 165156 6 US-10-995-561-13304
7.9 182303 7 US-11-121-086-45
7.8 340000 7 US-11-102-978-3
7.8 415117 6 US-10-995-561-13274
7.8 159138 6 US-10-995-561-13230
7.8 47622 6 US-10-995-561-13431
7.8 51917 6 US-10-995-561-13338
7.8 191091 7 US-11-121-086-60
7.8 67088 6 US-10-995-561-13365
7.8 83712 6 US-10-995-561-13366
7.8 12405 6 US-10-995-561-13453
7.8 12657 6 US-10-995-561-13454
7.8 46878 6 US-10-995-561-13276
7.8 110608 6 US-10-775-169-193
7.8 141121 6 US-10-995-561-13262
7.8 150468 7 US-11-112-908-56

ALIGNMENTS

RESULT 1

US-11-037-243-44

; Sequence 44, Application US/11037243

; Publication No. US20050287546A1

; GENERAL INFORMATION:

; APPLICANT: PLOWMAN, GREGORY

; APPLICANT: WHYTE, DAVID

; APPLICANT: CAENEPEEL, SEAN

; APPLICANT: CHARYDCZAK, GLEN

; APPLICANT: MANNING, GERARD

; APPLICANT: SUDARSANAM, SUCHA

; TITLE OF INVENTION: NOVEL PROTEASES

; FILE REFERENCE: 038602/1214

; CURRENT APPLICATION NUMBER: US/11/037,243

; PRIOR FILING DATE: 2005-05-26

; PRIOR APPLICATION NUMBER: US/09/888,615

; PRIOR FILING DATE: 2001-06-26

; PRIOR APPLICATION NUMBER: 60/214,047

; NUMBER OF SEQ ID NOS: 150

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 44

; LENGTH: 1365

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-037-243-44

Query Match 45.8%; Score 1349; DB 7; Length 1365;
Best Local Similarity 99.8%; Pred. No. 2.2e-274;
Matches 1362; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

QY 628 ATGGGGGAAATGATCCCGCTGCTTGAAGCCCCCTTCTCATTCGGATCGCTTTTGGC 687
Db 1 ATGGGGGAAATGATCCCGCTGCTTGAAGCCCCCTTCTCATTCGGATCGCTTTTGGC 60
QY 688 CTGTGATGATTTGAAATAAGTCTCTTGCACAGATGAGATGCTGTGCTGCACAGATC 747
Db 61 CTGTGATGATTTGAAATAAGTCTCTTGCACAGATGAGATGCTGTGCTGCACAGATC 120
QY 748 CTGTGATGATTTGAAATAAGTCTCTTGCACAGATGAGATGCTGTGCTGCACAGATC 807
Db 121 CTGTGATGATTTGAAATAAGTCTCTTGCACAGATGAGATGCTGTGCTGCACAGATC 180
QY 808 TTAGCACTGGCCATTTGGTCTGGGCATCCATCTTGAAGTGTGCTGAGATGACAGATGTCGC 867
Db 181 TTAGCACTGGCCATTTGGTCTGGGCATCCATCTTGAAGTGTGCTGAGATGACAGATGTCGC 240

QY 868 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGAGTCTCGGATTCGAAGAC 927
DB |||||
QY 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGAGTCTCGGATTCGAAGAC 300
DB |||||
QY 928 GGGAGGACAGTACCGCTGTGTCCGGTGGGTGCTCAGAAATCCGTCCTCAGGTGTTTC 987
DB |||||
QY 301 GGGAGGACAGTACCGCTGTGTCCGGTGGGTGCTCAGAAATCCGTCCTCAGGTGTTTC 360
DB |||||
QY 988 ACAGCTGCTTCGTGGAGACCATGTCTCCGATGACTTGGAAAGGTCTACTACGCAAAATGTT 1047
DB |||||
QY 361 ACAGCTGCTTCGTGGAGACCATGTCTCCGATGACTTGGAAAGGTCTACTACGCAAAATGTT 420
DB |||||
QY 1048 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTTCAGAGTGAGCTCG 1107
DB |||||
QY 421 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTTCAGAGTGAGCTCG 480
DB |||||
QY 1108 CTGGAGGGGAGTTTCGGGAGGAGTTTGTGTCCATCGATCACCTCTTTCGAGATGACAAG 1167
DB |||||
QY 481 CTGGAGGGGAGTTTCGGGAGGAGTTTGTGTCCATCGATCACCTCTTTCGAGATGACAAG 540
DB |||||
QY 1168 GTGACTGCATTACACCACTCAGTATATGTGAGGAGGAGTGTGCTCTGCGCCACGTGTT 1227
DB |||||
QY 541 GTGACTGCATTACACCACTCAGTATATGTGAGGAGGAGTGTGCTCTGCGCCACGTGTT 600
DB |||||
QY 1228 ACCTTGCACTGCACAGCCTGTGTGTCTATAGAGGGGCTTACAGCTCAGCATCGTGGTGA 1287
DB |||||
QY 601 ACCTTGCACTGCACAGCCTGTGTGTCTATAGAGGGGCTTACAGCTCAGCATCGTGGTGA 660
DB |||||
QY 1288 AACATGTCCTTGTCTCGAGTGGCCTCGGAGGCGAGCCTTCAGTTCCAGGGCTACCA 1347
DB |||||
QY 661 AACATGTCCTTGTCTCGAGTGGCCTCGGAGGCGAGCCTTCAGTTCCAGGGCTACCA 720
DB |||||
QY 1348 CTGTGGGGGGCTGTGTCATCACGCCCTGTGATCATCTGCTGCACACTGTGTTTAT 1407
DB |||||
QY 721 CTGTGGGGGGCTGTGTCATCACGCCCTGTGATCATCTGCTGCACACTGTGTTTAT 780
DB |||||
QY 1408 GACTTGTACCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 1467
DB |||||
QY 781 GACTTGTACCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 840
DB |||||
QY 1468 CCAGCCCATCCGACTTGGTGGAGAAATGTCTACCAAGCAAGTACAGCCCAAGAGG 1527
DB |||||
QY 841 CCAGCCCATCCGACTTGGTGGAGAAATGTCTACCAAGCAAGTACAGCCCAAGAGG 900
DB |||||
QY 1528 CTGGGCAATGACATCGCCCTTATCAAGCTGCGGGGCACTCAGTTTCAATGAATGATC 1587
DB |||||
QY 901 CTGGGCAATGACATCGCCCTTATCAAGCTGCGGGGCACTCAGTTTCAATGAATGATC 960
DB |||||
QY 1588 CAGCCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGAGC 1647
DB |||||
QY 961 CAGCCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGAGC 1020
DB |||||
QY 1648 TCAGGATGGGGGCCACAGAGATGG--AGTGAAGCTCCCTGCTTCGAACACGCG 1704
DB |||||
QY 1021 TCAGGATGGGGGCCACAGAGATGGAGGTGACGCTCCCTGCTGAAACACGCG 1080
DB |||||
QY 1705 GCGTCTCCTTTGATTTCCCAAGATCTGCAACCAAGTGTGAGGAGCTGAGGTGGCATCATC 1764
DB |||||
QY 1081 GCGTCTCCTTTGATTTCCCAAGATCTGCAACCAAGTGTGAGGAGCTGAGGTGGCATCATC 1140
DB |||||
QY 1765 TCCCTCTCCATGCTCTGCGGGGCTACCTGACGGGTGCGTGGAGCAGTGCAGGGGAC 1824
DB |||||
QY 1141 TCCCTCTCCATGCTCTGCGGGGCTACCTGACGGGTGCGTGGAGCAGTGCAGGGGAC 1200
DB |||||
QY 1825 AGCGGGGGCCCTGTGTCTAAGAGAGGAGGTGTGGAAGTTAGTGGGAGCCAGCAGC 1884
DB |||||
QY 1201 AGCGGGGGCCCTGTGTCTAAGAGAGGAGGTGTGGAAGTTAGTGGGAGCCAGCAGC 1260
DB |||||
QY 1885 TTTGGCATCGCTCGGAGAGGTGAACAAGCTTGGGTGTACCCCGTGTCACTCTCTTC 1944
DB |||||
QY 1261 TTTGGCATCGCTCGGAGAGGTGAACAAGCTTGGGTGTACCCCGTGTCACTCTCTTC 1320
DB |||||

QY 1945 CTGCACTGATCCAGCAGCAGATGGAGAGACCTAAACCTGA 1989
DB |||||
QY 1321 CTGCACTGATCCAGCAGCAGATGGAGAGACCTAAACCTGA 1365
DB |||||
RESULT 2
US-10-995-561-13359/c
; Sequence 13359, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13359
; LENGTH: 60844
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13359
Query Match 8.1%; Score 239.4; DB 6; Length 60844;
Best Local Similarity 78.0%; Pred. No. 9.5e-41;
Matches 288; Conservative 0; Mismatches 81; Indels 0; Gaps 0;
QY 2124 CCCAAGAGGACCCCTTCCATCTGATTCACAGCACACCTTCAAGCTGCTTTTGTGTTT 2183
DB |||||
QY 2184 GTTTTTTGAAGTGAAGTCTCGCTCTGTGTCGCCAGGCTGAGTGCAGTGGCGAAATCCCT 2243
DB |||||
QY 49210 TTTTTTTGAGACAGAGTCTTGTCTGTGCCAGGCTGAGTGCAGTGCATCTCG 49151
DB |||||
QY 2244 GTCACCTGACGCTTCGCTTCCTGTTCAAGGATCTCTTGCCTCAGCTTCCCAAGTA 2303
DB |||||
QY 49150 GTCACCTGCAACCTCCGCTCCAGGTTCAAGCGATTTCTCCTGCTCAGCTTCCCAAGTA 49091
DB |||||
QY 2304 GCTGGGACCAAGCTGCGCCGCCACACCACTAATTTTTGTATTTTAGTAGAGACA 2363
DB |||||
QY 49090 GCTGGGATTAAGTGCAGCCACCACTGCTAATTTTTGCATTTTTTAGTAGAGACA 49031
DB |||||
QY 2364 GGGTTTCAACATGTGSCCAGGCTGCTTCCAACTCCTGACCTCAAGTGCATCTGCCACC 48971
DB |||||
QY 2424 TCAGCTCCCAAGTGTGCGGATTAAGGATGGGCCACACGCTAGCCTCAGCTCCT 2483
DB |||||
QY 2484 TTTCTGATCT 2492
DB |||||
QY 48910 TTTTGTGTT 48902
DB |||||

RESULT 3
US-11-121-086-83
; Sequence 83, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3

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; SEQ ID NO 83
; LENGTH: 187745
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-83

Query Match      8.1%; Score 239.4; DB 7; Length 187745;
Best Local Similarity 84.1%; Pred. No. 1.3e-40;
Matches 270; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

Qy 2154 GCACAACTTCAAGCTGTTTTTGTGTTTTTGTGTTTTTGTGAGATGAGTCTGCTGTG 2213
Db 70561 GAACTAAGATGAAGGTTTTTTTTTCCCTTTTTTTTTTGTGAGGGAGTCTGCTGTG 70620

Qy 2214 CCCAGGCTGGAGTCAGTGGCGAATCCCTGCTCACTGCAGCTCCGCTTCCCTGCTTCA 2273
Db 70621 CCCAGGCTGGAGTCAGTGGCGATGATCTTGGCTCACTGCACACCTCCGCTCCAGGTTC 70680

Qy 2274 AGCGATTCTCTGTGCTCAGCTTCCCGAGTGTGGACCAAGGTGCCCGCCACACACC 2333
Db 70681 AGTATTTCTCTGCTCAGCTTCCCGAGTGTGGACCAAGGTGCCCGCCACACACC 70740

Qy 2334 CAACATAATTTTGTATTTTGTAGAGACAGGGTTTCAACATGTGGCCAGGCTGCTCTC 2393
Db 70741 TGGCTAATTTTATTTTATTTTGTAGAGATGGGTTTCAACATGTGGCCAGGCTGCTC 70800

Qy 2394 AAACCCCTGACCTCAATGATGTGCTGCTTCAAGCTTCCACAGTGTGGGATACAGGC 2453
Db 70801 AAACCTCTGACCTCAGGTGATCCGCTGCTCAGCTTCCCAAGTGTGGAAATACAGGC 70860

Qy 2454 ATGGGCCACCACTAGCTT 2474
Db 70861 ATGAGCCACGACACCGGCCT 70881

RESULT 4
US-11-112-908-49/c
; Sequence 49, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR FILING DATE: 2004-04-23
; PRIOR FILING DATE: 2004-06-01
; PRIOR FILING DATE: 2004-11-30
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 49
; LENGTH: 149419
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-49

Query Match      8.1%; Score 237.8; DB 7; Length 149419;
Best Local Similarity 80.6%; Pred. No. 2.7e-40;
Matches 278; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Qy 2172 TTTTGTGTTTTTGTGTTTTTGTGAGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGT 2231
Db 57042 TTTTGTGTTTTTGTGTTTTTGTGAGACAGTCTCTCGCTCTGTTGCCAGGCTGGAGTGCAGT 57983

Qy 2232 GCGGAAATCCCTGCTCACTGCAGCTCCGCTTCCCTGGTTCAGCGATTTCTCTGGCTTCA 2291
Db 56982 GCGGGAATCTGGCTCAGGCAACCTCCGCTTCCCGGGTTCAAGCAATCTCTCTGCTTCA 107205

Qy 2292 GCTTCCCAGTGTGGACCAAGGTGCCCGCCACCAACCCACCACTAAATTTTGTATTT 2351
Db 107204 GCCTCCCAAGTGTGGGATTTACAGGTGCTCACCACCAAGCCCGGCTAAATTTTGTATTT 107145

Qy 2352 TTAGTAGAGACAGGTTTTTCCACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAT 2411
Db 107144 TTAGTAGAGACAGGTTTTTCCACCATGTTGGCCAGGCTGCTCTCAAACTCTGACCTCAGT 107085

Qy 2412 GATGTGCTGCTTCCAGCTTCCACAGTGTGGGATTTACAGCATGGGCAACACGCCCTAG 2471
Db 107084 GATCTGCCCGCTTGGCTTCCACAGTGTGGGATTTACAGCATGAGCTACCGCACCCAG 107025

Qy 2472 CCTCAGCGTCTCTTCTGATCTTCTACTAAGAACAAAGAGCAGCA 2516
Db 107024 CCTGAGACCACTTTTGTGATCTCTCAAGATTTGTGAACCAAGGCCCA 106980

RESULT 5
US-11-112-908-48/c
; Sequence 48, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR FILING DATE: 2004-04-23
; PRIOR FILING DATE: 2004-06-01
; PRIOR FILING DATE: 2004-11-30
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 48
; LENGTH: 161726
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-48

Query Match      8.1%; Score 237.8; DB 7; Length 161726;
Best Local Similarity 80.6%; Pred. No. 2.7e-40;
Matches 278; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Qy 2172 TTTTGTGTTTTTGTGTTTTTGTGAGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGT 2231
Db 107324 TTTTGTGTTTTTGTGTTTTTGTGAGACAGTCTCTCGCTCTGTTGCCAGGCTGGAGTGCAGT 107265

Qy 2232 GCGGAAATCCCTGCTCACTGCAGCTCCGCTTCCCTGGTTCAGCGATTTCTCTGGCTTCA 2291
Db 107264 GCGGGAATCTGGCTCAGGCAACCTCCGCTTCCCGGGTTCAAGCAATCTCTCTGCTTCA 107205

Qy 2292 GCTTCCCAGTGTGGACCAAGGTGCCCGCCACCAACCCACCACTAAATTTTGTATTT 2351
Db 107204 GCCTCCCAAGTGTGGGATTTACAGGTGCTCACCACCAAGCCCGGCTAAATTTTGTATTT 107145

Qy 2352 TTAGTAGAGACAGGTTTTTCCACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAT 2411
Db 107144 TTAGTAGAGACAGGTTTTTCCACCATGTTGGCCAGGCTGCTCTCAAACTCTGACCTCAGT 107085

Qy 2412 GATGTGCTGCTTCCAGCTTCCACAGTGTGGGATTTACAGCATGGGCAACACGCCCTAG 2471
Db 107084 GATCTGCCCGCTTGGCTTCCACAGTGTGGGATTTACAGCATGAGCTACCGCACCCAG 107025

Qy 2472 CCTCAGCGTCTCTTCTGATCTTCTACTAAGAACAAAGAGCAGCA 2516
Db 107024 CCTGAGACCACTTTTGTGATCTCTCAAGATTTGTGAACCAAGGCCCA 106980
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Mon Jan 9 15:06:49 2006

RESULT 6					
US-11-112-908-52/c					
; Sequence 52, Application US/11112908					
; Publication No. US20050260659A1					
; GENERAL INFORMATION:					
; APPLICANT: Harris, Cole					
; APPLICANT: Davis, Lisa M.					
; TITLE OF INVENTION: Breast Cancer Biomarkers					
; FILE REFERENCE: 04-164-US					
; CURRENT APPLICATION NUMBER: US/11/112,908					
; CURRENT FILING DATE: 2005-04-22					
; PRIOR APPLICATION NUMBER: US 60/564,758					
; PRIOR FILING DATE: 2004-04-23					
; PRIOR APPLICATION NUMBER: US 60/575,978					
; PRIOR FILING DATE: 2004-06-01					
; PRIOR APPLICATION NUMBER: US 60/631,702					
; PRIOR FILING DATE: 2004-11-30					
; PRIOR APPLICATION NUMBER: US 60/633,826					
; PRIOR FILING DATE: 2004-12-07					
; NUMBER OF SEQ ID NOS: 511					
; SOFTWARE: PatentIn version 3.3					
; SEQ ID NO 52					
; LENGTH: 161726					
; TYPE: DNA					
; ORGANISM: Homo sapiens					
US-11-112-908-52					
Query Match 8.1%; Score 237.8; DB 7; Length 161726;					
Best Local Similarity 80.6%; Pred. No. 2.7e-40;					
Matches 278; Conservative 0; Mismatches 67; Indels 0; Gaps 0;					
Qy	2172	TTTTTGTTTTTTGTTTTTTCAGATGGAGTCTCGCTCTGTGCCAGGCTGGAGTGCAGT	2231		
Dd	107324	TTTTTGTTTTTTGTTTTTTCAGACAGTCTCTCGCTCTGTGCCAGGCTGGAGTGCAGT	107265		
Qy	2232	GGCGAAATCCCTGCTCACTGCAGCCTCGGCTTCCCCTGCTCAAAGCGATTCTCTTGCCTCA	2291		
Dd	107264	GGCGGATCTCGGCTCAGGCACTTCGCTCCGGGTTCAAGCAATTCTCCTGCCTCA	107205		
Qy	2292	GCTTCCCCAGTAGCTGGGACCACAGGTCCCGCCACACACACCCAACTAATTTTGTATTT	2351		
Dd	107204	GCCTCCCAAGTAGCTGGGATTACAGTGTCTACCAACCAAGCCGGCTAAATTTTGTATTT	107145		
Qy	2352	TTAGTAGACACAGGTTTTCACCATGTTGGCAGGCTGCTCTCAAAACCCCTGACCTCAAT	2411		
Dd	107144	TTAGTAGACACAAGGTTTTCACCATGTTGGCCAGGCGAGTCTCAAACCTCCTGACCTCAGT	107085		
Qy	2412	GATGTGCTGCTTTCAGCTCCACAGTGTGGGATTACAGGATGGGCCACACGCTAG	2471		
Dd	107084	GATGTGCTGCTTGGCTTCCACAGTGTGGGATTACAGGATGGGTACCGCACCCAG	107025		
Qy	2472	CCTCAGCGTCCCTTTCTGATCTTCACTTAAGAACAAAAGAAGCAGCA	2516		
Dd	107024	CCTGAGACACCTTTTGATCTCAAGATTGTGAACCAAGGCCCA	106980		
RESULT 7					
US-11-112-908-47/c					
; Sequence 47, Application US/11112908					
; Publication No. US20050260659A1					
; GENERAL INFORMATION:					
; APPLICANT: Harris, Cole					
; APPLICANT: Davis, Lisa M.					
; TITLE OF INVENTION: Breast Cancer Biomarkers					
; FILE REFERENCE: 04-164-US					
; CURRENT APPLICATION NUMBER: US/11/112,908					
; CURRENT FILING DATE: 2005-04-22					
; PRIOR APPLICATION NUMBER: US 60/564,758					
; PRIOR FILING DATE: 2004-04-23					
; PRIOR APPLICATION NUMBER: US 60/575,978					
; PRIOR FILING DATE: 2004-06-01					
; PRIOR APPLICATION NUMBER: US 60/631,702					

Db 85 AGAGTCTCACTGTGTGCCAGGCTGGAGTGAATGGCGAAATCTGGCTCACTGCAACC 144
Qy 2257 TCGCTTCCCTGGTTCAAGCATCTCTTGCTCAGCTTCCCAAGTAGCTGGGACCAACAG 2316
Db 145 TCGCTTCCCAAGTTCAAGCATCTCTTGCTCAGCTTCCCAAGTAGCTGGGATTAACAG 204
Qy 2317 GTGCCGCCACCAACCACTAAATTTTGTATTTTGTATTTAGTAGACAGGGTTTCCACATG 2376
Db 205 GTGCCGCCACCAACCACTAAATTTTGTATTTTGTATTTAGTAGACAGGGTTTCCACATG 264
Qy 2377 TTGCCAGGCTGTCTCAAAACCTGACCTCAATGATGTGCTTCAAGCTTCCACACA 2436
Db 265 TTGCCAGGCTGTCTCAAAACCTGACCTCAATGATGTGCTTCAAGCTTCCACACA 324
Qy 2437 GTGCTGGATTACAGGATGGGACCAACGCTAGCTT 2474
Db 325 CTGCTGGATTATAGGATGAGCCACTCGCCAGCCCT 362

RESULT 9
US-10-995-561-13352/c
; Sequence 13352, Application US/10995561
; Publication No. US2005027054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13352
; LENGTH: 32157
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13352

Query Match 8.0%; Score 237.2; DB 6; Length 32157;
Best Local Similarity 82.5%; Pred. No. 2.3e-40;
Matches 269; Conservative 2; Mismatches 55; Indels 0; Gaps 0;
Qy 2172 TTTTGTGTTTTTTTTCAGATGGAGTCTCGCTCTGTGTCGCCAGGCTGGAGTGCAGT 2231
Db 13011 TTTTGTGTTTTTTTTCAGATGGAGTCTCGCTCTGTGTCGCCAGGCTGGAGTGCAGT 12952
Qy 2232 GCGAAATCCCTGCTCACTCAGGCTCCGCTTCCCTGTTCAAGCATCTCTTGGCTCA 2291
Db* 12951 GCGCAATCTAGCTCGCTACAACTCTGCTCCAGGTTCAAGCAATTATCTGCTCA 12892
Qy 2292 GCTTCCCAGTAGCTGGGACACACAGGTGCGGCCACACACCACTAAATTTTGTATTT 2351
Db 12891 GCCTCCCTAGTAGCTGGGACACACAGGTGCGGCCACACACCTGATTTTGTATTT 12832
Qy 2352 TTAGTAGACAGAGGTTTCAACATGTTGCCAGGCTGCTCAAAACCTCAGCTCAAT 2411
Db 12831 TTAGTGAGAGAGGTTTCAACATGTTGCCAGGCTGATCTAGCTCTGACCTCAGGT 12772
Qy 2412 GATGTGCTGCTTACGCTCCACAGATGCTGGGATTAACAGGATGGGCCACACGCTTAC 2471
Db 12771 GATGTGCTGCTGCTGCTCCCAAGTCTGGAATTAACAGGATGAGCCACCATGCTGG 12712
Qy 2472 CCTACAGCTCCTTCTGATCTTCACT 2497
Db 12711 CCACAATTTTTTTTTTAAATAGCT 12686

RESULT 10
US-10-995-561-13422
; Sequence 13422, Application US/10995561
; Publication No. US2005027054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13422
; LENGTH: 44362
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(44362)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1
US-10-995-561-13422

Query Match 8.0%; Score 237; DB 6; Length 44362;
Best Local Similarity 74.8%; Pred. No. 2.8e-40;
Matches 297; Conservative 0; Mismatches 100; Indels 0; Gaps 0;
Qy 2173 TTTTGTGTTTTTTTTCAGATGGAGTCTCGCTCTGTGTCGCCAGGCTGGAGTGCAGT 2232
Db 16357 TTGCTTTTTTTTTTTTTCAGATGGAGTCTTGCTTATTGCCAGGCTGGAGTGCAGT 16416
Qy 2233 GCGAAATCCCTGCTCACTGACGCTCCGCTTCCCTGTTCAAGCATCTCTTGCCTCAG 2292
Db 16417 GCACATCTGGCTCACTGCACTCCACCTCCAGGTTCAAGCAATCTTTTGTCTCAG 16476
Qy 2293 CTTCCCAAGTAGCTGGGACACACAGTGGCGGCCACACCACTAAATTTTGTATTTT 2352
Db 16477 CTTCCAGTAGCTGGGATTAAGTGTGCGCCACACACCGGCTAAATTTTGTATTTT 16536
Qy 2353 TAGTAGACAGAGGTTTTCACCATGTTGGCCAGGCTGCTCAAAACCTGACCTCAATG 2412
Db 16537 TAGTAGACAGAGGTTTTCACCATGTTGGCCAGGCTGCTCAAACTCTGAACTCTGACCTCAGGTG 16596
Qy 2413 ATGTGCTGCTTTCAGCTCCACAGTGTGGGATTAACAGGATGGGCCACACGCTAGC 2472
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Qy 2473 CTCACGCTCCTTCTGATCTTCACTAAGAACAAAGAGAGCACTTTGCAAGGCGGCC 2532
Db 16657 CTACCCATAGTCTTCTAGTCTCAGCTGATGAAACTATCTCTCCATGCTGAAGCTCAG 16716
Qy 2533 TTTCCCACTGCTCCTATCTGTTTCTCTCCAGGGGTC 2569
Db 16717 TGGCCCTCCCTTCTCTCTTGTCTCACTCCCTGCACTC 16753

RESULT 11
US-11-121-086-1
; Sequence 1, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 126552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-1

; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 40
; LENGTH: 180862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-40

Query Match 8.0%; Score 235.2; DB 7; Length 180862;
Best Local Similarity 78.3%; Pred. No. 1e-39;
Matches 282; Conservative 0; Mismatches 78; Indels 0; Gaps 0;
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Db 93533 TTTTGTGTTTTGTTTTGAGATGGAGTCTCACTCTGTTGCCAGGCTGGAGTGCAGT 93474
Qy 2232 GGGGAATCCCTGCTCACTGAGCTCGCTCCCTGGTTCAGGGATTCTCTGCCCTCA 2291
Db 93473 GGGGTGATCTTGGCTCACTGCAACCTGGCTCCAGAGTTCAGGTGATTCTCCTGCCCTCA 93414
Qy 2292 GCTTCCCCAGTAGCTGGGACACACAGGTGCGGCCACACACACCCAACTAAATTTTGTATTT 2351
Db 93413 GCCTCCCAAGTAGCTGGGACCTACAGTGCACACACACCGCCGGCTAAATTTTGTATTT 93354
Qy 2352 TTAGTAGACAGAGGTTTCACTATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAT 2411
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Qy 2412 GATGTGCTGCTTCACTGCTCCACAGTCTGGGATTACAGGCATGGGCCACACGCTAG 2471
Db 93293 GATCCACCTGCTCGGCCCTCCCAAGTCTGGGATTACAGGCATGGGCCACGCTAG 93234
Qy 2472 CCTCAGCTCTCTTCTGATCTTCACTAAGAACAAAGACGAACTTGCAGGGCGGC 2531
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RESULT 15
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; Sequence 77, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 77
; LENGTH: 215308
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-77

Query Match 8.0%; Score 235.2; DB 7; Length 215308;
Best Local Similarity 81.2%; Pred. No. 1e-39;
Matches 273; Conservative 0; Mismatches 63; Indels 0; Gaps 0;
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Qy 2232 GGGGAATCCCTGCTCACTGAGCTCGCTTCCCTGGTTCAGCGATTCTCTTGCCTCA 2291
Db 142410 GGTGCGATCTTGGCTACCGCAACCTCTGCTCTCTGGGTTCAAGCGATTCTCTGCTCA 142469
Qy 2292 GCTTCCCCAGTAGCTGGGACACAGGTGCGGCCACACACCCCAACTAAATTTTGTATTT 2351
Db 142470 GCCTCCTGAGTAGCTGGGATTACAGGCACCTGCCACACACCCAGCTAAATTTTGTATTT 142529
Qy 2352 TTAGTAGACAGAGGTTTCACTATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAT 2411
Db 142530 TTAGTAGAGATGGGTTTCACTATGTTGGCCAGGCTAGTCTCGAACTCCTGACCTCAGGT 142589
Qy 2412 GATGTGCTGCTTCACTGCTCCACAGTGTGGGATTACAGGCATGGGCCACACGCTAG 2471
Db 142590 GATCTGCCACTTCAAGCTCCCAAGTCTGGGATTACAGGCATAGGCCACACACCTG 142649
Qy 2472 CCTCAGCTCTCTTCTGATCTTCACTAAGAACAAAA 2507
Db 142650 CCAAACTACATCTCTTGAAGAACAAAAA 142685

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 6, 2006, 15:24:16 ; Search time 23 Seconds
(without alignments)
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Title: US-09-846-512-2

Perfect score: 2443

Sequence: 1 MGENDPAVEAFPSRSLFG.....TRVTSFLDWIHPQMERDLKT 453

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Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
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 - 2: /cgn2_6/ptodata/1/iaa/6 COMB.pep.*
 - 3: /cgn2_6/ptodata/1/iaa/H COMB.pep.*
 - 4: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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8	2206	90.3	455	2	US-09-261-416-2
9	1354	55.4	294	2	US-09-518-046-4
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11	886	36.3	492	2	US-09-759-143-932
12	886	36.3	492	2	US-10-012-896-932
13	885	36.2	492	2	US-09-342-749-2
14	885	36.2	492	2	US-09-691-840-2
15	885	36.2	510	2	US-09-949-016-11074
16	878	35.9	393	2	US-09-759-143-934
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21	874	35.8	492	2	US-09-759-143-895
22	874	35.8	492	2	US-10-012-896-895
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24	862	35.3	157	2	US-09-650-371-23
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27	729.5	29.9	562	2	US-09-879-792-12

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31	695.5	28.5	445	2	US-09-856-371A-8	Sequence 8, Appli
32	689.5	28.2	457	2	US-09-856-371A-10	Sequence 10, Appli
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37	669.5	27.4	798	4	US-08-794-042-2	Sequence 2, Appli
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ALIGNMENTS

RESULT 1

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; Sequence 69, Application US/09999833A
; Patent No. 6916648
; GENERAL INFORMATION: 131
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC65
; CURRENT APPLICATION NUMBER: US/09/999,833A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632

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5	PRIOR FILING DATE: 1998-03-11	60/077649
6	PRIOR APPLICATION NUMBER: 60/077649	
7	PRIOR FILING DATE: 1998-03-11	60/077791
8	PRIOR APPLICATION NUMBER: 60/077791	
9	PRIOR FILING DATE: 1998-03-12	60/078004
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13	PRIOR FILING DATE: 1998-03-13	60/078886
14	PRIOR APPLICATION NUMBER: 60/078886	
15	PRIOR FILING DATE: 1998-03-20	60/078936
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19	PRIOR FILING DATE: 1998-03-20	60/078939
20	PRIOR APPLICATION NUMBER: 60/078939	
21	PRIOR FILING DATE: 1998-03-20	60/079294
22	PRIOR APPLICATION NUMBER: 60/079294	
23	PRIOR FILING DATE: 1998-03-25	60/079656
24	PRIOR APPLICATION NUMBER: 60/079656	
25	PRIOR FILING DATE: 1998-03-26	60/079664
26	PRIOR APPLICATION NUMBER: 60/079664	
27	PRIOR FILING DATE: 1998-03-27	60/079689
28	PRIOR APPLICATION NUMBER: 60/079689	
29	PRIOR FILING DATE: 1998-03-27	60/079663
30	PRIOR APPLICATION NUMBER: 60/079663	
31	PRIOR FILING DATE: 1998-03-27	60/079728
32	PRIOR APPLICATION NUMBER: 60/079728	
33	PRIOR FILING DATE: 1998-03-27	60/079786
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41	PRIOR FILING DATE: 1998-03-31	60/080107
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43	PRIOR FILING DATE: 1998-03-31	60/080165
44	PRIOR APPLICATION NUMBER: 60/080165	
45	PRIOR FILING DATE: 1998-03-31	60/080194
46	PRIOR APPLICATION NUMBER: 60/080194	
47	PRIOR FILING DATE: 1998-03-31	60/080327
48	PRIOR APPLICATION NUMBER: 60/080327	
49	PRIOR FILING DATE: 1998-04-01	60/080328
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55	PRIOR FILING DATE: 1998-04-01	60/081070
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57	PRIOR FILING DATE: 1998-04-08	60/081049
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61	PRIOR FILING DATE: 1998-04-08	60/081195
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65	PRIOR FILING DATE: 1998-04-09	60/081229
66	PRIOR APPLICATION NUMBER: 60/081229	
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70	PRIOR APPLICATION NUMBER: 60/081817	
71	PRIOR FILING DATE: 1998-04-15	60/081819
72	PRIOR APPLICATION NUMBER: 60/081819	
73	PRIOR FILING DATE: 1998-04-15	60/081952
74	PRIOR APPLICATION NUMBER: 60/081952	
75	PRIOR FILING DATE: 1998-04-15	60/081938
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match          100.0%; Score 2443; DB 2; Length 453;
Best Local Similarity 100.0%; Pred. No. 1.3e-229; Indels 0; Gaps 0;
Matches 453; Conservative 0; Mismatches 0;

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; Sequence 69, Application US/10020445A
; Patent No. 6962797
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC74
; CURRENT APPLICATION NUMBER: US/10/020,445A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 2443; DB 2; Length 453;
Best Local Similarity 100.0%; Pred. No. 1.3e-229;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGENDPPAVEAPFERSLFGDLDDLKISVPADADAAQAQILSLPLKFFPIIVIGIALI 60
Db 1 MGENDPPAVEAPFERSLFGDLDDLKISVPADADAAQAQILSLPLKFFPIIVIGIALI 60

Qy 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKGDEYRCYRVGQNAVLOVF 120
Db 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKGDEYRCYRVGQNAVLOVF 120

Qy 121 TAASWKTWCSDWKGHYANVACAQLGFPYSVSSDNLRVSSLEGGQPREBFVSIIDHLLPDDK 180
Db 121 TAASWKTWCSDWKGHYANVACAQLGFPYSVSSDNLRVSSLEGGQPREBFVSIIDHLLPDDK 180

Qy 181 VTALHHSYVREGCASGHVVTLOCTACGHRRGYSRIVGGNMSLLSQWPQASLOFQGYH 240
Db 181 VTALHHSYVREGCASGHVVTLOCTACGHRRGYSRIVGGNMSLLSQWPQASLOFQGYH 240

Qy 241 LCGGSVITPLMTIITAAHCYVDLYLPKSWTIOVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300
Db 241 LCGGSVITPLMTIITAAHCYVDLYLPKSWTIOVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300

Qy 301 LGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGKVCWTSGWATEDGGDASPVLNHAA 360
Db 301 LGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGKVCWTSGWATEDGGDASPVLNHAA 360

Qy 361 VPLISNKICNHRDYYGGIISPSMLCAGYLTGCVDSQCQSGCPYCOBRRLLWKVATSF 420
Db 361 VPLISNKICNHRDYYGGIISPSMLCAGYLTGCVDSQCQSGCPYCOBRRLLWKVATSF 420

Qy 421 GIGCAEVNKPQYVTRVTSFLDWIHEQMERDLKT 453
Db 421 GIGCAEVNKPQYVTRVTSFLDWIHEQMERDLKT 453

RESULT 3

US-09-949-016-11081
; Sequence 11081, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF


```
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11081
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11081

Query Match          99.6%; Score 2432.5; DB 2; Length 521;
Best Local Similarity 99.8%; Pred. No. 1.6e-228;
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSPRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 60
Db 68 MGENDPPAVEAPFSPRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 127

QY 61 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 120
Db 128 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 187

QY 121 TAASWKTMCSDDKWKGHYANVACAQLGFPSPYSSDNLRVSSLEQGFREEFVSIIDHLLPDDK 180
Db 188 TAASWKTMCSDDKWKGHYANVACAQLGFPSPYSSDNLRVSSLEQGFREEFVSIIDHLLPDDK 247

QY 181 VTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGNMSSLQWPMQASLQFGYH 240
Db 248 VTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGNMSSLQWPMQASLQFGYH 307

QY 241 LCGSGVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKPKR 300
Db 308 LCGSGVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKPKR 367

QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDG-GDASPVLNHA 359
Db 368 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDGAGDASPVLNHA 427

QY 360 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSDGGLVCQERRLWKLVGATS 419
Db 428 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSDGGLVCQERRLWKLVGATS 487

QY 420 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 453
Db 488 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 521

RESULT 4
US-09-949-016-11082
; Sequence 11082, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11083
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11083

Query Match          99.6%; Score 2432.5; DB 2; Length 521;
Best Local Similarity 99.8%; Pred. No. 1.6e-228;
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSPRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 60
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; SEQ ID NO 11082
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11082
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Query Match          99.6%; Score 2432.5; DB 2; Length 521;
Best Local Similarity 99.8%; Pred. No. 1.6e-228;
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSPRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 60
Db 68 MGENDPPAVEAPFSPRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 127

QY 61 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 120
Db 128 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 187

QY 121 TAASWKTMCSDDKWKGHYANVACAQLGFPSPYSSDNLRVSSLEQGFREEFVSIIDHLLPDDK 180
Db 188 TAASWKTMCSDDKWKGHYANVACAQLGFPSPYSSDNLRVSSLEQGFREEFVSIIDHLLPDDK 247

QY 181 VTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGNMSSLQWPMQASLQFGYH 240
Db 248 VTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGNMSSLQWPMQASLQFGYH 307

QY 241 LCGSGVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKPKR 300
Db 308 LCGSGVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKPKR 367

QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDG-GDASPVLNHA 359
Db 368 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDGAGDASPVLNHA 427

QY 360 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSDGGLVCQERRLWKLVGATS 419
Db 428 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSDGGLVCQERRLWKLVGATS 487

QY 420 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 453
Db 488 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 521
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RESULT 5
US-09-949-016-11083
; Sequence 11083, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11083
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11083

Query Match          99.6%; Score 2432.5; DB 2; Length 521;
Best Local Similarity 99.8%; Pred. No. 1.6e-228;
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSPRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 60
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Db 68 MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLKFPPIIVIGIALI 127
QY 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOVF 120
Db 128 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOVF 187
QY 121 TTAASKWTMCSDDWKGHYANVACAQLGFPSYSSDNLRVSSLEGQFREEFVSDHLLPDDK 180
Db 188 TTAASKWTMCSDDWKGHYANVACAQLGFPSYSSDNLRVSSLEGQFREEFVSDHLLPDDK 247
QY 181 VTALHHSVYVREGCASHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFGYH 240
Db 248 VTALHHSVYVREGCASHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFGYH 307
QY 241 LCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPKR 300
Db 308 LCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPKR 367
QY 301 LGNDIALMKLAGPLTFNEMIQPVCLPNSSEENFPDGKVCWTSGWGATEDG-GDASPVLNHA 359
Db 368 LGNDIALMKLAGPLTFNEMIQPVCLPNSSEENFPDGKVCWTSGWGATEDGAGDASPVLNHA 427
QY 360 AVPLISNKICNHRDVGIIISPSMLCAGYLTCGGVSDSCQDSCGGLVPCQERRLWKLVGATS 419
Db 428 AVPLISNKICNHRDVGIIISPSMLCAGYLTCGGVSDSCQDSCGGLVPCQERRLWKLVGATS 487
QY 420 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
Db 488 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 521

RESULT 6

US-09-518-046-2
; Sequence 2, Application US/09518046
; Patent No. 6294663

; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: complete amino acid sequence of TADG-12

US-09-518-046-2

Query Match 97.6%; Score 2385.5; DB 2; Length 454;
Best Local Similarity 97.8%; Pred. No. 5.2e-224;
Matches 444; Conservative 2; Mismatches 7; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLKFP-PIIVIGIALI 59
Db 1 MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLPEVFSQSSSLGIAL 60
QY 60 ILALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOV 119
Db 61 ILALAIGLGHFDCSGKYRCRSFKCIELITRCDGVSDCKDGEDEYRCVRVGQNAVLOV 120
QY 120 FTAASKWTMCSDDWKGHYANVACAQLGFPSYSSDNLRVSSLEGQFREEFVSDHLLPDD 179
Db 121 FTAASKWTMCSDDWKGHYANVACAQLGFPSYSSDNLRVSSLEGQFREEFVSDHLLPDD 180
QY 180 KVTALHHSVYVREGCASHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFGY 239

Db 181 KVTALHHSVYVREGCASHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFGY 240
QY 240 HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPK 299
Db 241 HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPK 300
QY 300 RLGNIDIALMKLAGPLTFNEMIQPVCLPNSSEENFPDGKVCWTSGWGATEDGSDASPVLNHA 359
Db 301 RLGNIDIALMKLAGPLTFNEMIQPVCLPNSSEENFPDGKVCWTSGWGATEDGSDASPVLNHA 360
QY 360 AVPLISNKICNHRDVGIIISPSMLCAGYLTCGGVSDSCQDSCGGLVPCQERRLWKLVGATS 419
Db 361 AVPLISNKICNHRDVGIIISPSMLCAGYLTCGGVSDSCQDSCGGLVPCQERRLWKLVGATS 420
QY 420 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
Db 421 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 454

RESULT 7

US-09-650-371-2
; Sequence 2, Application US/09650371
; Patent No. 6942978

; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: complete amino acid sequence of TADG-12

US-09-650-371-2

Query Match 97.6%; Score 2385.5; DB 2; Length 454;
Best Local Similarity 97.8%; Pred. No. 5.2e-224;
Matches 444; Conservative 2; Mismatches 7; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLKFP-PIIVIGIALI 59
Db 1 MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLPEVFSQSSSLGIAL 60
QY 60 ILALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOV 119
Db 61 ILALAIGLGHFDCSGKYRCRSFKCIELITRCDGVSDCKDGEDEYRCVRVGQNAVLOV 120
QY 120 FTAASKWTMCSDDWKGHYANVACAQLGFPSYSSDNLRVSSLEGQFREEFVSDHLLPDD 179
Db 121 FTAASKWTMCSDDWKGHYANVACAQLGFPSYSSDNLRVSSLEGQFREEFVSDHLLPDD 180
QY 180 KVTALHHSVYVREGCASHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFGY 239
Db 181 KVTALHHSVYVREGCASHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFGY 240
QY 240 HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPK 299
Db 241 HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPK 300
QY 300 RLGNIDIALMKLAGPLTFNEMIQPVCLPNSSEENFPDGKVCWTSGWGATEDGSDASPVLNHA 359
Db 301 RLGNIDIALMKLAGPLTFNEMIQPVCLPNSSEENFPDGKVCWTSGWGATEDGSDASPVLNHA 360
QY 360 AVPLISNKICNHRDVGIIISPSMLCAGYLTCGGVSDSCQDSCGGLVPCQERRLWKLVGATS 419

Db 361 ANPLISNKNHRDVTGGIISPSMLCAGYITGGVDSQSGGGLVCQRRRLWKLVGATS 420
 Qy 420 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
 Db 421 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 454

RESULT 8
 US-09-261-416-2
 ; Sequence 2, Application US/09261416A
 ; Patent No. 6291663
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Underwood, Lowell J.
 ; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
 ; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
 ; FILE REFERENCE: D6192
 ; CURRENT FILING DATE: 1999-03-03
 ; NUMBER OF SEQ ID NOS: 14
 ; SEQ ID NO 2
 ; LENGTH: 455
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Amino acid sequence of TADG-12 encoded by nucleotides
 ; OTHER INFORMATION: 144 to 1511 of Sequence 1
 ; Patent No. 6291663
 US-09-261-416-2

Query Match 90.3%; Score 2206; DB 2; Length 455;
 Best Local Similarity 91.7%; Pred. No. 1.7e-206;
 Matches 421; Conservative 5; Mismatches 23; Indels 10; Gaps 3;

Qy 1 MGENDPPAVEAPFSPRSLFGLDLDLKIAPVADADAAVAQAQLSLPLKFF-PIIVIGIAL 59
 Db 1 MGENDPPAVEAPFSPRSLFGLDLDLKIAPVADADAAVAQAQLSLPLPEVFSQSSSLGIAL 60
 Qy 60 ILALAIGLGHFDCSGKYRCRSFKCIETIARCDGVSDCKDGEYRCVVRVGGQNAVLOV 119
 Db 61 ILALAIGLGHFDCSGKYRCRSFKCIETITCDGVSDCKDGEYRCVVRVGGQNAVLOV 120
 Qy 120 FTAASWKTWCDDWKGHYANVACAQLGFPSPVSSDNLRVSSLEGQFEEFVSDHLLPDD 179
 Db 121 FTAASWKTWCDDWKGHYANVACAQLGFPSPVSSDNLRVSSLEGQFEEFVSDHLLPDD 180
 Qy 180 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRRIVGGNMSLLSQWPQASLOFQGY 239
 Db 181 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRRIVGGNMSLLSQWPQASLOFQGY 240
 Qy 240 HLCGGSVITPLWITTAACHVYDLYLPKSWTIQVGLVSLNDNPAPSHLVKIVVHYSKYKPK 299
 Db 241 HLCGGSVITPLWITTAACHVYDLYLPKSWTIQVGLVSLNDNPAPSHLVKIVVHYSKYKPK 300
 Qy 300 RLGNIDIALMKGAPLTNEMIQVCLPNSBPENPDGKVCWTSWGATEDGGDASPLNHA 359
 Db 301 RLGNIDIALMKGAPLTNEMIQVCLPNSBPENPDGKVCWTSWGATEDGGDASPLNHA 360
 Qy 360 AVPLISNKNHRDVTGGIISPSMLCAGYITGGVDSQSGGGLVCQRRRLWKL 414
 Db 361 AVPLISNKNHRDVTGGIISPSMLCAGYITGGVDSQSGGGLVCQRRRLWKL 416
 Qy 415 VGATSFIGICAEVKNPQVYTRVTSFLDWIHEQMERDLKT 453
 Db 417 VGATSFIGICAEVKNPQVYTRVTSFLDWIHEQMERDLKT 455

RESULT 9
 US-09-518-046-4
 ; Sequence 4, Application US/09518046
 ; Patent No. 6294663
 ; GENERAL INFORMATION:

; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Underwood, Lowell J.
 ; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
 ; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
 ; FILE REFERENCE: D6192CIP
 ; CURRENT APPLICATION NUMBER: US/09/518,046
 ; CURRENT FILING DATE: 2000-03-02
 ; EARLIER APPLICATION NUMBER: 09/261,416
 ; EARLIER FILING DATE: 1999-03-03
 ; NUMBER OF SEQ ID NOS: 153
 ; SEQ ID NO 4
 ; LENGTH: 294
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: complete amino acid sequence of TADG-12
 ; OTHER INFORMATION: variant protein
 US-09-518-046-4

Query Match 55.4%; Score 1354; DB 2; Length 294;
 Best Local Similarity 88.1%; Pred. No. 1.2e-123;
 Matches 258; Conservative 7; Mismatches 20; Indels 8; Gaps 2;

Qy 1 MGENDPPAVEAPFSPRSLFGLDLDLKIAPVADADAAVAQAQLSLPLKFF-PIIVIGIAL 59
 Db 1 MGENDPPAVEAPFSPRSLFGLDLDLKIAPVADADAAVAQAQLSLPLPEVFSQSSSLGIAL 60
 Qy 60 ILALAIGLGHFDCSGKYRCRSFKCIETIARCDGVSDCKDGEYRCVVRVGGQNAVLOV 119
 Db 61 ILALAIGLGHFDCSGKYRCRSFKCIETITCDGVSDCKDGEYRCVVRVGGQNAVLOV 120
 Qy 120 FTAASWKTWCDDWKGHYANVACAQLGFPSPVSSDNLRVSSLEGQFEEFVSDHLLPDD 179
 Db 121 FTAASWKTWCDDWKGHYANVACAQLGFPSPVSSDNLRVSSLEGQFEEFVSDHLLPDD 180
 Qy 180 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRRIVGGNMSLLSQWPQASLOFQGY 239
 Db 181 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRRIVGGNMSLLSQWPQASLOFQGY 240
 Qy 240 HLCGGSVITPLWITTAACHVYDLYLPKSWTIQVGLVSLNDNPAPSH 285
 Db 241 HLCGGSVITPLWITTAACHVYDLYLPKSWTIQVGLVSLNDNPAPSH 293

RESULT 10
 US-09-650-371-4
 ; Sequence 4, Application US/09650371
 ; Patent No. 6942978
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Underwood, Lowell J.
 ; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
 ; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
 ; FILE REFERENCE: D6192CIP/D
 ; CURRENT APPLICATION NUMBER: US/09/650,371
 ; CURRENT FILING DATE: 2000-08-28
 ; PRIOR APPLICATION NUMBER: US 09/518,046
 ; PRIOR FILING DATE: 2000-03-02
 ; NUMBER OF SEQ ID NOS: 153
 ; SEQ ID NO 4
 ; LENGTH: 294
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: complete amino acid sequence of TADG-12
 ; OTHER INFORMATION: variant protein
 US-09-650-371-4

Query Match 55.4%; Score 1354; DB 2; Length 294;
 Best Local Similarity 88.1%; Pred. No. 1.2e-123;
 Matches 258; Conservative 7; Mismatches 20; Indels 8; Gaps 2;
 Qy 1 MGENDPPAVEAPFSPRSLFGLDLDLKIAPVADADAAVAQAQLSLPLKFF-PIIVIGIAL 59

Db 1 MGENDPPEAVEPFRSRLFGLDDKLSPVAPADAAQAQLSLLPFEVPSQSSSGLIAL 60
QY 60 ILAALIGLGHIFDCSGKTCRSFKIELIARCDGVSDCKGEDEYRCVVRGGQNAVLOV 119
Db 61 ILAALIGLGHIFDCSGKTCRSFKIELITRCDGVSDCKGEDEYRCVVRGGQNAVLOV 120
QY 120 FTAASWKTCSDDWKGYHANVACAOLGPPSYSSDNLRVSSLEGGOFREFFVSDHLLPDD 179
Db 121 FTAASWKTCSDDWKGYHANVACAOLGPPSYSSDNLRVSSLEGGOFREFFVSDHLLPDD 180
QY 180 KYTALHHSYVREGCASGHVVTLOCTACGHRGYSRIVGGNMSLLSOWPQASLQFOGY 239
Db 181 KYTALHHSYVREGCASGHVVTLOCTACGHRGYSRIVGGNMSLLSOWPQASLQFOGY 240
QY 240 HLCGGSVITPLMIITAAHCVCYDLYLPKSWTIQVLVSL-----LDNPAPSH 285
Db 241 HLCGGSVITPLMIITAAHCVCYDLYLPKSWTIQVLVSL-----LDNPAPSH 293

RESULT 11

US-09-759-143-932
; Sequence 932, Application US/09759143
; Patent No. 6800746

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 932
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-759-143-932

Query Match 36.3%; Score 886; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.1e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIALLALAIAGIGIHF--DCSGK-YRCRSSFKIELIARCDGVSDCKGEDEYRC 107
Db 89 LTGTFLVGAALAAAGLLKFMGSKCSNGIECDSSGTCINPNCWCDGVSHCPGGEDENK 148
QY 108 VRVGQNAVLOVFTA--ASWKTMCSDDWKGYHANVACAOLGPP-SYVSSDNLRVSSLEQ 164
Db 149 VRLGNSFILQVYSSQRKSWHPVCQDDWNNYGRAACRDMGKNNFYSSQGVVDDSGSTS 208
QY 165 FREEFVSIDHLLPDDKVYKVTALHSHVYVREGCASGHVVTLOCTACGHRGYS--SRIVGGM 222
Db 209 FMKLNTSAGNV---DIYKKLYHS-----DACSSKAVVSLRCLACGNLNSRSRIVGGS 261
QY 223 SLLSQWPQASLQFOGYHLCGGSVITPLMIITAAHCVCYDLYLPKSWTIQVLV--SLLD 279

Db 262 ALPGAWPQVSLHVQNVHVCSSITPEWIVTAAHCVEKPLNPNWHWTAFAGILRQSPMF 321
QY 280 NPAPSHLVSKIVYHSKYPKRLGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPDKVCM 339
Db 322 YGA-GYQVKVISHPNYDSKTKNNDIALMKLQKPTFNDLVKPVCLPNPMMMLQPEQLCM 380
QY 340 TSGWATBDGGDASVPLNHAAPLISNKICNHRDVGIGIISPSMLCAGVLTGCVDSQCGD 399
Db 381 ISGWATBEKGTSEVLNAKVLLIETORCNSRYVDNLITPAMICAGFLQGVDSQCGD 440
QY 400 SGGPLVCOERRLKLVGATSFGIGCAVYKPGVYTRVTSFLDWHIHEQWERD 450
Db 441 SGGPLVTSKNNIWLLIGTSMGSGCAKAYRPGVYGNVMVFTDWIYRQMRAD 491

RESULT 12

US-10-012-896-932
; Sequence 932, Application US/10012896
; Patent No. 6943236

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Meagher, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 932
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-896-932

Query Match 36.3%; Score 886; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.1e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIALLALAIAGIGIHF--DCSGK-YRCRSSFKIELIARCDGVSDCKGEDEYRC 107
Db 89 LTGTFLVGAALAAAGLLKFMGSKCSNGIECDSSGTCINPNCWCDGVSHCPGGEDENK 148
QY 108 VRVGQNAVLOVFTA--ASWKTMCSDDWKGYHANVACAOLGPP-SYVSSDNLRVSSLEQ 164
Db 149 VRLGNSFILQVYSSQRKSWHPVCQDDWNNYGRAACRDMGKNNFYSSQGVVDDSGSTS 208
QY 165 FREEFVSIDHLLPDDKVYKVTALHSHVYVREGCASGHVVTLOCTACGHRGYS--SRIVGGM 222
Db 209 FMKLNTSAGNV---DIYKKLYHS-----DACSSKAVVSLRCLACGNLNSRSRIVGGS 261

QY 223 SLLSQWPQASLOFGYHLGGSVITPLMIITAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
Db 262 ALPGAMPQVSLHVQNVHVCSSIIITPEWIVTAAHCVKPEPLNPNWHTAFAGILRQSPMF 321
QY 280 NPAPSHLVEKIVYHVKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGVKVCW 339
Db 322 YGA-GYQVEKVISHPNYDSKTKNDIALMKLQKPLTFNDLVKPVCLPFGMMLQPEOLCW 380
QY 340 TSGWGATEDGGDASPVLNHAAVPLISNKICNHRDVTYGGIISPSMLCAGYLTGGVDSQCGD 399
Db 381 ISGWGATEEGKTSSEVLNAAKVLIIETQRCNSRYVDNLITPAMICAGFLQGNVDSQCGD 440
QY 400 SGGPLVCQRRRLMKLVGATSGFGCAEVNKPQVYTRVTSFLDWIHEQMERD 450
Db 441 SGGPLVTSKNNIWWLIGDTSWGGCAKAYRPGYGVNVMVFTDIYRQMRAD 491

RESULT 13
US-09-342-749-2
; Sequence 2, Application US/09342749
; Patent No. 6168194
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMPS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; EARLIER APPLICATION NUMBER: US 60/091,044
; EARLIER FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-342-749-2

Query Match 36.2%; Score 885; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.4e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIILALIALGIIHF---DCSGK-YRCSSFKCIELIARCQDGVSDCKDGEDEYRC 107
Db 89 LTLGTFLVGAALAGLLWKFMSKCSNSGIECDSSGTCINPNSWCDGVSHCPGGEDENRC 148
QY 108 VRVGQNAVLOVFTA--ASWKTWCDDMKGHYANVACAOLGFP-SYVSSDNLRVSLGQ 164
Db 149 VRLYGNFIIQVYSSQKSWHPVCQDDWENYGRAACRDGMGYKNFYSSQGI VDDSGSTS 208
QY 165 FREEFVSIIDHLLPDDKVATLHSHSVYREGCASGHVVTLOCTACGHRGYS--SRIVGGNM 222
Db 209 FMKLTNSAGNV---DIYKLYHS----DACSSKAVSLRCLACGVNLSRQSRIVGGES 261
QY 223 SLLSQWPQASLOFGYHLGGSVITPLMIITAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
Db 262 ALPGAMPQVSLHVQNVHVCSSIIITPEWIVTAAHCVKPEPLNPNWHTAFAGILRQSPMF 321
QY 280 NPAPSHLVEKIVYHVKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGVKVCW 339
Db 322 YGA-GYQVEKVISHPNYDSKTKNDIALMKLQKPLTFNDLVKPVCLPFGMMLQPEOLCW 380
QY 340 TSGWGATEDGGDASPVLNHAAVPLISNKICNHRDVTYGGIISPSMLCAGYLTGGVDSQCGD 399
Db 381 ISGWGATEEGKTSSEVLNAAKVLIIETQRCNSRYVDNLITPAMICAGFLQGNVDSQCGD 440
QY 400 SGGPLVCQRRRLMKLVGATSGFGICAEVNKPQVYTRVTSFLDWIHEQMERD 450
Db 441 SGGPLVTSKNNIWWLIGDTSWGGCAKAYRPGYGVNVMVFTDIYRQMRAD 491

RESULT 14
US-09-691-840-2
; Sequence 2, Application US/09691840
; Patent No. 644419
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMPS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/691,840
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 60/091,044
; PRIOR FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-691-840-2

Query Match 36.2%; Score 885; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.4e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIILALIALGIIHF---DCSGK-YRCSSFKCIELIARCQDGVSDCKDGEDEYRC 107
Db 89 LTLGTFLVGAALAGLLWKFMSKCSNSGIECDSSGTCINPNSWCDGVSHCPGGEDENRC 148
QY 108 VRVGQNAVLOVFTA--ASWKTWCDDMKGHYANVACAOLGFP-SYVSSDNLRVSLGQ 164
Db 149 VRLYGNFIIQVYSSQKSWHPVCQDDWENYGRAACRDGMGYKNFYSSQGI VDDSGSTS 208
QY 165 FREEFVSIIDHLLPDDKVATLHSHSVYREGCASGHVVTLOCTACGHRGYS--SRIVGGNM 222
Db 209 FMKLTNSAGNV---DIYKLYHS----DACSSKAVSLRCLACGVNLSRQSRIVGGES 261
QY 223 SLLSQWPQASLOFGYHLGGSVITPLMIITAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
Db 262 ALPGAMPQVSLHVQNVHVCSSIIITPEWIVTAAHCVKPEPLNPNWHTAFAGILRQSPMF 321
QY 280 NPAPSHLVEKIVYHVKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGVKVCW 339
Db 322 YGA-GYQVEKVISHPNYDSKTKNDIALMKLQKPLTFNDLVKPVCLPFGMMLQPEOLCW 380
QY 340 TSGWGATEDGGDASPVLNHAAVPLISNKICNHRDVTYGGIISPSMLCAGYLTGGVDSQCGD 399
Db 381 ISGWGATEEGKTSSEVLNAAKVLIIETQRCNSRYVDNLITPAMICAGFLQGNVDSQCGD 440
QY 400 SGGPLVCQRRRLMKLVGATSGFGICAEVNKPQVYTRVTSFLDWIHEQMERD 450
Db 441 SGGPLVTSKNNIWWLIGDTSWGGCAKAYRPGYGVNVMVFTDIYRQMRAD 491

RESULT 15
US-09-949-016-11074
; Sequence 11074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03

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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FaatSEQ for Windows Version 4.0
; SEQ ID NO 11074
; LENGTH: 510
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11074

Query Match          36.2%; Score 885; DB 2; Length 510;
Best Local Similarity 46.0%; Pred. No. 1.4e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIALLAIAIGLGHF---DCSGK-YRCRSFKIELIARCDGVSDCKDGEDEVRC 107
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 107 LTLTGFLVGAALAAAGLLKFMGSKCSNGSIECDSTCINPSNWCDCGVSHCPGDEENRC 166

QY 108 VRVGGONAVLOVFTA--ASWKTMCSDDKGHYANVACAQAGFP-SYVSSDNLRVSSLEQ 164
   ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||:
Db 167 VRLYGNFVLQVYSQKSWHPVCQDDMNENYGRAACRDMGYKNPNFYSSQGI VDDSGSTS 226

QY 165 FREEFVSI DILLPDDKVTALHHSVYVREGCASGHVVTLQCTACGHRRGYS--SRIVGGNM 222
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 227 FMKLNTSAGNV---DIYKLYHS-----DACSSKAVVSLRCIACGVNLN SSRQSRIVGGES 279

QY 223 SLLSQWPQASLQFQGYHL CGGSVTPTPLWITAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
   : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 280 ALPGAWPMQVSLHVQNVHVCGGSIITPEWIVTAAHCVKPLNPNWHTAFAGILRQSFMF 339

QY 280 NPAPSHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDCKVCW 339
   | : ||||: | : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 340 YGA-GYQVEKVI SHPNYDSKTNNNDIALMKLQKPLTFNDLVKPVCLLPNPGMMLQPEQLCW 398

QY 340 TSGWGATEDGSDASPVLNHAAVPLISNKICNHRDVYGGIISPSMLCAGYLTGGVDS CQGD 399
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 399 ISGWGATEEKGTSEVLNAAKVLIIETQRCNSRYVYDNLITPAMICAGFLQGNVDS CQGD 458

QY 400 SGGPLVCQERRLWKLVGATSF GIGCAEVNKP GYVTRVTSFLDWIHEQMERD 450
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 459 SGGPLVTSKNNIWLLIGDTSWGGCAKAYRPGVYGNVMVFTDWIYRQMRAD 509
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Job time : 24 secs

GenCore version 5.1.6
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QM protein - protein search, using sw model

Run on: January 6, 2006, 15:34:02 ; Search time 64 Seconds
(without alignments)

2957.448 Million cell updates/sec

Title: US-09-846-512-2

Perfect score: 2443

Sequence: 1 MGENDPFAVEAPSPFRSLFG.....TRVTSPLDWIHEQMERDLKT 453

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:*

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2: /cgn2_6/ptodata/1/pubppaa/US08_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2443	100.0	453	3	US-09-978-697-69
3	2443	100.0	453	3	US-09-978-192A-69
4	2443	100.0	453	3	US-09-999-832A-69
5	2443	100.0	453	3	US-09-978-189-69
6	2443	100.0	453	3	US-09-978-608A-69
7	2443	100.0	453	3	US-09-978-585A-69
8	2443	100.0	453	3	US-09-978-191A-69
9	2443	100.0	453	3	US-09-978-403A-69
10	2443	100.0	453	3	US-09-978-564A-69
11	2443	100.0	453	3	US-09-999-833A-69
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14	2443	100.0	453	3	US-09-918-585A-69
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17	2443	100.0	453	3	US-09-978-193A-69
18	2443	100.0	453	3	US-09-999-830A-69
19	2443	100.0	453	3	US-09-978-757A-69
20	2443	100.0	453	3	US-09-978-187B-69
21	2443	100.0	453	3	US-09-978-643A-69
22	2443	100.0	453	3	US-09-776-191-12
23	2443	100.0	453	3	US-09-978-375A-69
24	2443	100.0	453	3	US-09-978-298A-69
25	2443	100.0	453	3	US-09-978-188A-69
26	2443	100.0	453	3	US-09-978-681A-69
27	2443	100.0	453	3	US-09-978-194A-69

28	2443	100.0	453	3	US-09-999-829A-69
29	2443	100.0	453	3	US-09-978-299A-69
30	2443	100.0	453	3	US-09-978-544A-69
31	2443	100.0	453	3	US-09-978-665A-69
32	2443	100.0	453	3	US-09-978-802A-69
33	2443	100.0	453	3	US-09-999-831A-69
34	2443	100.0	453	3	US-09-978-824-69
35	2443	100.0	453	4	US-10-052-586-64
36	2443	100.0	453	4	US-10-174-590-64
37	2443	100.0	453	4	US-10-176-758-64
38	2443	100.0	453	4	US-10-175-737-64
39	2443	100.0	453	4	US-10-174-581-64
40	2443	100.0	453	4	US-10-176-483-64
41	2443	100.0	453	4	US-10-176-749-64
42	2443	100.0	453	4	US-10-176-914-64
43	2443	100.0	453	4	US-10-176-915-64
44	2443	100.0	453	4	US-10-173-706-64
45	2443	100.0	453	4	US-10-175-738-64

ALIGNMENTS

RESULT 1

US-09-978-295A-69
; Sequence 69, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara Napoleon
; APPLICANT: Flvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P630P1C11
; CURRENT APPLICATION NUMBER: US/09/978,295A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

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Best Local Similarity 100.0%; Pred. No. 6.2e-214;
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Qy	361	VPLISNKICNHRDYYGGIISPSMLCAGYLTGVDVSCOGDSGGPLVCQERRLWKLVCATSF	420
Db	361	VPLISNKICNHRDYYGGIISPSMLCAGYLTGVDVSCOGDSGGPLVCQERRLWKLVCATSF	420
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RESULT 2

US-09-978-697-69
; Sequence 69, Application US/09978697
; Patent No. US20020169284A1

; FACILE NO: US2002019
: GENERAL INFORMATION:

GENERATED THE CAPTION:	APPLICANT: Askenazi, Avi
APPLICANT: Baker Kevin P.	APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David	APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc	APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan	APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon	APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen	APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman	APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang	APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter	APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.	APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey	APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.	APPLICANT: Godowski, Paul J.
APPLICANT: Gimaldi, J. Christopher	APPLICANT: Gimaldi, J. Christopher
APPLICANT: Gurney, Austin L.	APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J	APPLICANT: Hillan, Kenneth J
APPLICANT: Kijavin, Ivar J.	APPLICANT: Kijavin, Ivar J.
APPLICANT: Kuo, Sophia S.	APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.	APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;	APPLICANT: Pan, James;
APPLICANT: Paoi, Nicholas F.	APPLICANT: Paoi, Nicholas F.
APPLICANT: Roy, Margaret Ann	APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.	APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.	APPLICANT: Stewart, Timothy A.

; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
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; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
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APPLICANT: Pan, James
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APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: F2630P1C9
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CURRENT FILING DATE: 2001-10-15
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PRIOR APPLICATION NUMBER: 60/083558

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; PRIOR FILING DATE: 1998-03-20
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 ; PRIOR APPLICATION NUMBER: 60/085704
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 ; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 2443; DB 3; Length 453;
 Best Local Similarity 100.0%; Pred. No. 6.2e-214;
 Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; PRIOR FILING DATE: 1998-04-09
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; PRIOR APPLICATION NUMBER: 60/085704
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; PRIOR APPLICATION NUMBER: 60/085697
;
Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGENDPVAEAPFSRSLFGLDLDLKI SPVADADAVAAQILSLPLKFFPIIVIGIALI 60
DB 1 MGENDPVAEAPFSRSLFGLDLDLKI SPVADADAVAAQILSLPLKFFPIIVIGIALI 60

QY 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGGQNAVLF 120
DB 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGGQNAVLF 120

QY 121 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLRVSSLEGQFPREFVSIIDHLLPDDK 180
DB 121 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLRVSSLEGQFPREFVSIIDHLLPDDK 180

QY 181 VTALHSHSVYVREGCASGHVVTIQTACGHRGYSRIVGNNMSLLSQWPWQASLQFGYH 240
DB 181 VTALHSHSVYVREGCASGHVVTIQTACGHRGYSRIVGNNMSLLSQWPWQASLQFGYH 240

QY 241 LCGGSVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPAFSLHVEKIVYHSKYKPKR 300
DB 241 LCGGSVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPAFSLHVEKIVYHSKYKPKR 300

QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSEENPPDGKVCWTSGWGATEDGGDASPVLNHAA 360
DB 301 LGNDIALMKLAGPLTFNEMIQVCLPNSEENPPDGKVCWTSGWGATEDGGDASPVLNHAA 360

QY 361 VPLISNKICNHRDVGIIISPSMLCAGYLTGGVDSQCGSDGGLVCQERLWKLVGATSF 420
DB 361 VPLISNKICNHRDVGIIISPSMLCAGYLTGGVDSQCGSDGGLVCQERLWKLVGATSF 420

QY 421 GIGCAEVNKGVTYRTVTSFLDWIHEQWERDLKT 453
DB 421 GIGCAEVNKGVTYRTVTSFLDWIHEQWERDLKT 453

RESULT 6

US-09-978-608A-69
; Sequence 69, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.


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; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James.
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secretd and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 69
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-608A-69

Query Match      100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGENPPAVEAPFSPRSLFGLDLDKISPVADADAAQAQILSLPLKFPPIIVIGIILI 60

Qy 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEYRCVRVGGQNAVLOVF 120
Db 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEYRCVRVGGQNAVLOVF 120

Qy 121 TAASWKTMCSDDKGHYANVACAQLGFPSPYSSDNLRVSSLEGQFREEFVSIHLLPDDK 180
Db 121 TAASWKTMCSDDKGHYANVACAQLGFPSPYSSDNLRVSSLEGQFREEFVSIHLLPDDK 180

Qy 181 VTALHHSVYVREGCASHVVTLOCTACGHRGYSRIVGGNMSLLSQWPQASLOFQGYH 240
Db 181 VTALHHSVYVREGCASHVVTLOCTACGHRGYSRIVGGNMSLLSQWPQASLOFQGYH 240

Qy 241 LCGGSVITPLMIITAAHCYVDLYLPKSWTIQVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300
Db 241 LCGGSVITPLMIITAAHCYVDLYLPKSWTIQVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300

Qy 301 LGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPGKVCWTSWGATEDGGDASPVLNHAA 360
Db 301 LGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPGKVCWTSWGATEDGGDASPVLNHAA 360

Qy 361 VPLISNKICNHRDVYGGIISPSMLCAGYLTGGVSDSCQDGSGLPVCOERRLMKLVGATSF 420
Db 361 VPLISNKICNHRDVYGGIISPSMLCAGYLTGGVSDSCQDGSGLPVCOERRLMKLVGATSF 420

Qy 421 GIGCAEVNKPGVYTRVTSFLDWIHEQMERDLKT 453
Db 421 GIGCAEVNKPGVYTRVTSFLDWIHEQMERDLKT 453
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RESULT 7

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; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Debnocysers, Luc
```

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; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secretd and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 69
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-585A-69

Query Match      100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGENPPAVEAPFSPRSLFGLDLDKISPVADADAAQAQILSLPLKFPPIIVIGIILI 60
Db 1 MGENPPAVEAPFSPRSLFGLDLDKISPVADADAAQAQILSLPLKFPPIIVIGIILI 60

Qy 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEYRCVRVGGQNAVLOVF 120
Db 61 LALAIGLGHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEYRCVRVGGQNAVLOVF 120

Qy 121 TAASWKTMCSDDKGHYANVACAQLGFPSPYSSDNLRVSSLEGQFREEFVSIHLLPDDK 180
Db 121 TAASWKTMCSDDKGHYANVACAQLGFPSPYSSDNLRVSSLEGQFREEFVSIHLLPDDK 180

Qy 181 VTALHHSVYVREGCASHVVTLOCTACGHRGYSRIVGGNMSLLSQWPQASLOFQGYH 240
Db 181 VTALHHSVYVREGCASHVVTLOCTACGHRGYSRIVGGNMSLLSQWPQASLOFQGYH 240

Qy 241 LCGGSVITPLMIITAAHCYVDLYLPKSWTIQVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300
Db 241 LCGGSVITPLMIITAAHCYVDLYLPKSWTIQVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300

Qy 301 LGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPGKVCWTSWGATEDGGDASPVLNHAA 360
Db 301 LGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPGKVCWTSWGATEDGGDASPVLNHAA 360

Qy 361 VPLISNKICNHRDVYGGIISPSMLCAGYLTGGVSDSCQDGSGLPVCOERRLMKLVGATSF 420
Db 361 VPLISNKICNHRDVYGGIISPSMLCAGYLTGGVSDSCQDGSGLPVCOERRLMKLVGATSF 420

Qy 421 GIGCAEVNKPGVYTRVTSFLDWIHEQMERDLKT 453
Db 421 GIGCAEVNKPGVYTRVTSFLDWIHEQMERDLKT 453
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RESULT 8
US-09-978-191A-69
; Sequence 69, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C4
; CURRENT APPLICATION NUMBER: US/09/978,191A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
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; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
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; PRIOR FILING DATE: 1998-03-27
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; PRIOR APPLICATION NUMBER: 60/082704
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; PRIOR APPLICATION NUMBER: 60/082700
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; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496

Query Match Best Local Similarity 100.0%; Score 2443; DB 3; Length 453; Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MGENPPAVEAFPSRSLFGLDDLKISPVAPADAAVAQILSLPLKPPPIIVIGIALI 60

1 MGENPPAVEAFPSRSLFGLDDLKISPVAPADAAVAQILSLPLKPPPIIVIGIALI 60

61 LALATGLGHFPCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOVF 120

61 LALATGLGHFPCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOVF 120

121 TAASWKTMCDDWKGHYANVACAQIGFPPSYVSSDNLRVSSLGQFREEPVSDHLLPDDK 180

121 TAASWKTMCDDWKGHYANVACAQIGFPPSYVSSDNLRVSSLGQFREEPVSDHLLPDDK 180

181 VTALHHSVYVREGCASGHVVTLOCTACGHRRGYSRIVGGNMSLISQWPQASLOFQGYH 240

181 VTALHHSVYVREGCASGHVVTLOCTACGHRRGYSRIVGGNMSLISQWPQASLOFQGYH 240

241 LCGSVITPLMIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPKR 300

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301 LGNDIALMKLAGPLTFNEMIQVCLPNSEENFPDGKVCWTSGWATEDGGDASPVLNHAA 360

301 LGNDIALMKLAGPLTFNEMIQVCLPNSEENFPDGKVCWTSGWATEDGGDASPVLNHAA 360

361 VPLISNKICNHRDVGIIISPSMLCAGYLTGGVSDSCQDSDGGLVQCBRRRLKLVGATSF 420

361 VPLISNKICNHRDVGIIISPSMLCAGYLTGGVSDSCQDSDGGLVQCBRRRLKLVGATSF 420

421 GIGCAEVNKGPGYTRVTSFSLDWHQEMERDLKT 453

421 GIGCAEVNKGPGYTRVTSFSLDWHQEMERDLKT 453

RESULT 9

US-09-978-403A-69

; Sequence 69, Application US/09978403A

; Publication No. US20030050240A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630P1C17

; CURRENT APPLICATION NUMBER: US/09/978,403A

; CURRENT FILING DATE: 2002-03-19

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064249

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

; PRIOR APPLICATION NUMBER: 60/077632

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077641

1	PRIOR APPLICATION NUMBER: 60/082560	
2	PRIOR FILING DATE: 1998-04-21	
3	PRIOR APPLICATION NUMBER: 60/082704	
4	PRIOR FILING DATE: 1998-04-22	
5	PRIOR APPLICATION NUMBER: 60/082804	
6	PRIOR FILING DATE: 1998-04-22	
7	PRIOR APPLICATION NUMBER: 60/082700	
8	PRIOR FILING DATE: 1998-04-22	
9	PRIOR APPLICATION NUMBER: 60/082797	
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11	PRIOR APPLICATION NUMBER: 60/082796	
12	PRIOR FILING DATE: 1998-04-23	
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14	PRIOR FILING DATE: 1998-04-27	
15	PRIOR APPLICATION NUMBER: 60/083322	
16	PRIOR FILING DATE: 1998-04-28	
17	PRIOR APPLICATION NUMBER: 60/083392	
18	PRIOR FILING DATE: 1998-04-29	
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25	PRIOR APPLICATION NUMBER: 60/083545	
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27	PRIOR APPLICATION NUMBER: 60/083554	
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29	PRIOR APPLICATION NUMBER: 60/083558	
30	PRIOR FILING DATE: 1998-04-29	
31	PRIOR APPLICATION NUMBER: 60/083559	
32	PRIOR FILING DATE: 1998-04-29	
33	PRIOR APPLICATION NUMBER: 60/083500	
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35	PRIOR APPLICATION NUMBER: 60/083742	
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40	PRIOR FILING DATE: 1998-05-06	
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45	PRIOR APPLICATION NUMBER: 60/084639	
46	PRIOR FILING DATE: 1998-05-07	
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51	PRIOR APPLICATION NUMBER: 60/084598	
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53	PRIOR APPLICATION NUMBER: 60/085339	
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61	PRIOR APPLICATION NUMBER: 60/085700	
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63	PRIOR APPLICATION NUMBER: 60/085689	
64	PRIOR FILING DATE: 1998-05-15	
65	PRIOR APPLICATION NUMBER: 60/085560	
66	PRIOR FILING DATE: 1998-05-15	
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6,2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGENPPAVEAPFSRSLFGLDLDKISPVADADAAQAQLSLPLKFFPIIVIGIILI 60
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Db 1 MGENPPAVEAPFSRSLFGLDLDKISPVADADAAQAQLSLPLKFFPIIVIGIILI 60
   |||||

QY 61 LALATGLGHFDCSKYRCRSPFKIELIARCDGVSDCKGDEYRCVVRGQNAVLOVF 120
   |||||
Db 61 LALATGLGHFDCSKYRCRSPFKIELIARCDGVSDCKGDEYRCVVRGQNAVLOVF 120
   |||||

QY 121 TAASWKTWCSDWKGHYANVACAQLGFPSYVSSDNLRVSSLDNRVSSLEQGFREFFVSDIDHLLPDDK 180
   |||||
Db 121 TAASWKTWCSDWKGHYANVACAQLGFPSYVSSDNLRVSSLDNRVSSLEQGFREFFVSDIDHLLPDDK 180
   |||||

QY 181 VTALHHSVYVRGCGASHGVVTLQCTACGHRRGYSRIVGNNMSLLSQWPWQASLQFGYH 240
   |||||
Db 181 VTALHHSVYVRGCGASHGVVTLQCTACGHRRGYSRIVGNNMSLLSQWPWQASLQFGYH 240
   |||||

QY 241 LCGGSVITPLWITTAACHCYVDLYLPKSWTIQVGLVSLLDNRPAPSHLVKIVYHSHKPKR 300
   |||||
Db 241 LCGGSVITPLWITTAACHCYVDLYLPKSWTIQVGLVSLLDNRPAPSHLVKIVYHSHKPKR 300
   |||||

QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSBENPPDGKVCWTSGWGATEDGGDASPVLNHAA 360
   |||||
Db 301 LGNDIALMKLAGPLTFNEMIQVCLPNSBENPPDGKVCWTSGWGATEDGGDASPVLNHAA 360
   |||||

QY 361 VPLISNKNHRDVRVGGIISPSMLCAGYLTGGVDSQCGDSGGLVQCERRLWKLVGATSF 420
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Db 361 VPLISNKNHRDVRVGGIISPSMLCAGYLTGGVDSQCGDSGGLVQCERRLWKLVGATSF 420
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QY 421 GIGCAEVNKPVGVTYRVSFLDWIHEQMERDLKT 453
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Db 421 GIGCAEVNKPVGVTYRVSFLDWIHEQMERDLKT 453
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RESULT 10
US-09-978-564A-69
; Sequence 69, Application US/09978564A
; Publication NO. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
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1	PRIOR FILING DATE: 1998-04-08
2	PRIOR APPLICATION NUMBER: 60/081071
3	PRIOR FILING DATE: 1998-04-08
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54	PRIOR APPLICATION NUMBER: 60/083742
55	PRIOR FILING DATE: 1998-04-30
56	PRIOR APPLICATION NUMBER: 60/084366
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60	PRIOR APPLICATION NUMBER: 60/084441
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62	PRIOR APPLICATION NUMBER: 60/084637
63	PRIOR FILING DATE: 1998-05-07
64	PRIOR APPLICATION NUMBER: 60/084639
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66	PRIOR APPLICATION NUMBER: 60/084640
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69	PRIOR FILING DATE: 1998-05-07

[illegible]

RESULT 11
US-09-999-833A-69
; Sequence 69, Application US/09999833A
; Publication No. US20030054405A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Boctstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon
APPLICANT: Pilvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC65
CURRENT APPLICATION NUMBER: US/09/999,833A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MGENDPPEVAPPSFSLFGLDLKISPVAPDADAVAAQILSLPLKFFPIIVIGITALI 60
Db 1 MGENDPPEVAPPSFSLFGLDLKISPVAPDADAVAAQILSLPLKFFPIIVIGITALI 60
Qy 61 LALAIGLGHFDCSGKRCSSPKCELIARCGVSDCKGEDEYRCVVGQNAVLOVF 120
Db 61 LALAIGLGHFDCSGKRCSSPKCELIARCGVSDCKGEDEYRCVVGQNAVLOVF 120
Qy 121 TAASWTKMCSDDKWKGHYANVACAQLGPPSVSSDNLNRSVSSLEGQFREFVSIHLLLPDDK 180
Db 121 TAASWTKMCSDDKWKGHYANVACAQLGPPSVSSDNLNRSVSSLEGQFREFVSIHLLLPDDK 180
Qy 181 VTALHHSVYVREGCASHVVTLQCTACGHRGYSRRIVGNNMSSLQWPQASLQFGYH 240
Db 181 VTALHHSVYVREGCASHVVTLQCTACGHRGYSRRIVGNNMSSLQWPQASLQFGYH 240
Qy 241 LCGSGVITPLWITAAHCYVDLILPKSWTTIQVGLVSLLDNPAHSHLVKIVHYSKYKPKR 300
Db 241 LCGSGVITPLWITAAHCYVDLILPKSWTTIQVGLVSLLDNPAHSHLVKIVHYSKYKPKR 300
Qy 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPDGKVCWTSNGWATEDGGDASPVLNHA 360

Db 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPDGKVCWTSNGWATEDGGDASPVLNHA 360
Qy 361 VPLISNKICNHRDVTGGIISPSMLCAGYLTGGVDSQCGDSGGPLVCQERRLWKLVGATSF 420
Db 361 VPLISNKICNHRDVTGGIISPSMLCAGYLTGGVDSQCGDSGGPLVCQERRLWKLVGATSF 420
Qy 421 GIGCAEVNKPVGYYTRVTSFELDWIHEQMRLDKT 453
Db 421 GIGCAEVNKPVGYYTRVTSFELDWIHEQMRLDKT 453
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RESULT 12
US-09-981-915A-69
;; Sequence 69, Application US/09981915A
;; Publication No. US20030054986A1
;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi
;; APPLICANT: Baker Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan
;; APPLICANT: Ferrara, Napoleon
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth J.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2630PIC12
;; CURRENT APPLICATION NUMBER: US/09/981,915A
;; CURRENT FILING DATE: 2001-10-16
;; PRIOR APPLICATION NUMBER: 09/918585
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Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred.No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 TAASWTKMSDDMKGHYANVACAQLGPPSVVSSDNLVRVSSLEQPFREEFVSIIDHLLPDDK 180
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Qy 241 LCGSVITPLWITTAACHVVDLYLPKSWITQGLVSLLDNPAFSLHVEKIVYHSKYKPKR 300
Db 241 LCGSVITPLWITTAACHVVDLYLPKSWITQGLVSLLDNPAFSLHVEKIVYHSKYKPKR 300
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Db 361 VPLISNKNCHRDVYGGIISPSMLCAGYLTGGVDSQCGSGGLVQCERRLKLKVGATSF 420
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RESULT 13
US-09-978-824-69
; Sequence 69, Application US/09978824
; Publication No. US2003005216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Nepier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PlC14
; CURRENT APPLICATION NUMBER: US/09/978,824
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/918585
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8	PRIOR APPLICATION NUMBER: 607/081838	
9	PRIOR FILING DATE: 1998-04-15	
10	PRIOR APPLICATION NUMBER: 607/082568	
11	PRIOR FILING DATE: 1998-04-21	
12	PRIOR APPLICATION NUMBER: 607/082569	
13	PRIOR FILING DATE: 1998-04-21	
14	PRIOR APPLICATION NUMBER: 607/082704	
15	PRIOR FILING DATE: 1998-04-22	
16	PRIOR APPLICATION NUMBER: 607/082804	
17	PRIOR FILING DATE: 1998-04-22	
18	PRIOR APPLICATION NUMBER: 607/082700	
19	PRIOR FILING DATE: 1998-04-22	
20	PRIOR APPLICATION NUMBER: 607/082797	
21	PRIOR FILING DATE: 1998-04-22	
22	PRIOR APPLICATION NUMBER: 607/082796	
23	PRIOR FILING DATE: 1998-04-23	
24	PRIOR APPLICATION NUMBER: 607/083336	
25	PRIOR FILING DATE: 1998-04-27	
26	PRIOR APPLICATION NUMBER: 607/083322	
27	PRIOR FILING DATE: 1998-04-28	
28	PRIOR APPLICATION NUMBER: 607/083392	
29	PRIOR FILING DATE: 1998-04-29	
30	PRIOR APPLICATION NUMBER: 607/083495	
31	PRIOR FILING DATE: 1998-04-29	
32	PRIOR APPLICATION NUMBER: 607/083496	
33	PRIOR FILING DATE: 1998-04-29	
34	PRIOR APPLICATION NUMBER: 607/083499	
35	PRIOR FILING DATE: 1998-04-29	
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37	PRIOR FILING DATE: 1998-04-29	
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40	PRIOR APPLICATION NUMBER: 607/083554	
41	PRIOR FILING DATE: 1998-04-29	
42	PRIOR APPLICATION NUMBER: 607/083500	
43	PRIOR FILING DATE: 1998-04-29	
44	PRIOR APPLICATION NUMBER: 607/083742	
45	PRIOR FILING DATE: 1998-04-30	
46	PRIOR APPLICATION NUMBER: 607/084366	
47	PRIOR FILING DATE: 1998-05-05	
48	PRIOR APPLICATION NUMBER: 607/084414	
49	PRIOR FILING DATE: 1998-05-06	
50	PRIOR APPLICATION NUMBER: 607/084441	
51	PRIOR FILING DATE: 1998-05-06	
52	PRIOR APPLICATION NUMBER: 607/084637	
53	PRIOR FILING DATE: 1998-05-07	
54	PRIOR APPLICATION NUMBER: 607/084639	
55	PRIOR FILING DATE: 1998-05-07	
56	PRIOR APPLICATION NUMBER: 607/084640	
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58	PRIOR APPLICATION NUMBER: 607/084627	
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60	PRIOR APPLICATION NUMBER: 607/084643	
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62	PRIOR APPLICATION NUMBER: 607/085323	
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64	PRIOR APPLICATION NUMBER: 607/085338	
65	PRIOR FILING DATE: 1998-05-13	
66	PRIOR APPLICATION NUMBER: 607/085323	
67	PRIOR FILING DATE: 1998-05-13	

[illegible]

RESULT 14
US-99-918-585A-69
; Sequence 69, Application US/09918585A
; Publication No. US2003060406A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Flivaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C1
CURRENT APPLICATION NUMBER: US/09/918,585A
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023

Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGENPPAVEAFPSRSLFGLDDLKISPVAPADAAVAAILSLPLKFPPIIVIGIALI 60
Db 1 MGENPPAVEAFPSRSLFGLDDLKISPVAPADAAVAAILSLPLKFPPIIVIGIALI 60

Qy 61 LALATGLGTHFCGSKYRCRSFKCIELIARCDGVSDCKDGBDEYRCVAVGQNAVLOVF 120
Db 61 LALATGLGTHFCGSKYRCRSFKCIELIARCDGVSDCKDGBDEYRCVAVGQNAVLOVF 120

Qy 121 TAASWKTMCSDDWKHYANVACAQLGFPSYVSDNLRVSSLEGOFREEFVSDHLLPDDK 180
Db 121 TAASWKTMCSDDWKHYANVACAQLGFPSYVSDNLRVSSLEGOFREEFVSDHLLPDDK 180

Qy 181 VTALHHSVVVRGCGASGHVVTLOCTACGHRRGYSSRIVGNMSSLISQWPQASLOFQGVH 240
Db 181 VTALHHSVVVRGCGASGHVVTLOCTACGHRRGYSSRIVGNMSSLISQWPQASLOFQGVH 240

Qy 241 LCGGSVITPLWITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVVHYSKYKPKR 300
Db 241 LCGGSVITPLWITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVVHYSKYKPKR 300

Qy 301 LGNDTALMKLAGPLTFNEMIQVCLPNSSENPDPKVCWTSWGATEDGGDASPVLNHAA 360
Db 301 LGNDTALMKLAGPLTFNEMIQVCLPNSSENPDPKVCWTSWGATEDGGDASPVLNHAA 360

Qy 361 VPLISNKICNHRDVVGGIISPSMLCAGYLTGVDSCQGSGLVCOERRLWKLVGATSF 420
Db 361 VPLISNKICNHRDVVGGIISPSMLCAGYLTGVDSCQGSGLVCOERRLWKLVGATSF 420

Qy 421 GIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
Db 421 GIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453

RESULT 15
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; Sequence 69, Application US/09999834A
; Publication No. US20030064407A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC75
; CURRENT APPLICATION NUMBER: US/09/999,834A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
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;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 LALAIGLIHFDCSGKYRCRSSFKEIARCDGSDCKDGEDEYRCVRRVGGQNAVLOVF 120
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Qy 121 TAASWTKMCSDDWKGHYANVACQAQLGFPSTVSSDNLRVSSLEGQFREFVSIHLLPDDK 180
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Qy	181	VTALHSHVYVREGCASGHVVTTLQCTACGHRGYSRIYCGNMSLLSQWPQASLQFQGYH	240
Db	181	VTALHSHVYVREGCASGHVVTTLQCTACGHRGYSRIYCGNMSLLSQWPQASLQFQGYH	240
Qy	241	LCGGSVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPKR	300
Db	241	LCGGSVITPLWITTAACHCVYDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPKR	300
Qy	301	LGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPGKVCWTSCWGATEDGGDASPVLNHAA	360
Db	301	LGNDIALMKLAGPLTFNEMIQPVCLPNSSENFDPGKVCWTSCWGATEDGGDASPVLNHAA	360
Qy	361	VPLISNKNICNHRDVYGGIISPSMLCAGYLTGGVDSQQGDSGGPLVCQERRLWKLVGATSF	420
Db	361	VPLISNKNICNHRDVYGGIISPSMLCAGYLTGGVDSQQGDSGGPLVCQERRLWKLVGATSF	420
Qy	421	GIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT	453
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Search completed: January 6, 2006, 15:40:46
Job time : 66 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 6, 2006, 15:34:37 ; Search time 9 Seconds
(without alignments)
427.171 Million cell updates/sec

Title: US-09-846-512-2
Perfect score: 2443
Sequence: 1 MGENDPPAVEAPFRRSLFG.....TRVTSFLDWIHEQMERDLKT 453

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 61072 seqs, 8486849 residues

Total number of hits satisfying chosen parameters: 61072

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*
1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep:*
3: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep:*
4: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep:*
6: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep:*
7: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pep:*
8: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2432.5	99.6	454	7	US-11-037-243-103
2	712	29.1	537	7	US-11-037-243-104
3	689.5	28.2	457	7	US-11-037-243-110
4	674	27.6	417	7	US-11-182-752-4
5	658	26.9	435	7	US-11-183-914-6
6	656.5	26.9	376	7	US-11-182-752-2
7	649.5	26.6	432	7	US-11-102-240-112
8	556	22.8	802	7	US-11-037-243-113
9	549.5	22.5	638	6	US-10-995-561-536
10	529	21.7	425	7	US-11-037-243-92
11	529	21.7	850	7	US-11-037-243-108
12	525	21.5	296	7	US-11-037-243-85
13	525	21.5	305	7	US-11-137-465-56
14	522.5	21.4	423	7	US-11-102-240-106
15	520.5	21.3	1042	7	US-11-067-811-1
16	507	20.8	314	7	US-11-183-914-3
17	507	20.8	578	7	US-11-037-243-100
18	506.5	20.7	1113	7	US-11-067-811-4
19	504	20.6	812	7	US-11-010-874-1
20	503	20.6	731	7	US-11-056-621-4
21	503	20.6	810	6	US-10-220-824-2
22	502	20.5	810	6	US-10-995-561-761
23	499.5	20.4	259	7	US-11-056-621-6
24	499.5	20.4	818	7	US-11-037-243-111
25	495.5	20.3	1128	7	US-11-037-243-97

26	489.5	20.0	447	7	US-11-037-243-109	Sequence 109, App
27	485.5	19.9	970	7	US-11-037-243-101	Sequence 101, App
28	478	19.6	343	7	US-11-080-991-86	Sequence 86, Appl
29	478	19.6	393	6	US-10-821-234-1043	Sequence 1043, App
30	467	19.1	290	6	US-10-131-826A-222	Sequence 222, App
31	463	19.0	326	7	US-11-037-243-105	Sequence 105, App
32	457	18.7	263	7	US-11-037-243-96	Sequence 96, Appl
33	453.5	18.6	328	7	US-11-037-243-91	Sequence 91, Appl
34	449.5	18.4	1169	6	US-10-995-561-609	Sequence 609, App
35	449.5	18.4	1169	6	US-11-124-368A-228	Sequence 228, App
36	440.5	18.0	359	7	US-11-037-243-114	Sequence 114, App
37	427.5	17.5	641	7	US-11-094-519A-29	Sequence 29, Appl
38	423	17.3	272	7	US-11-037-243-99	Sequence 99, Appl
39	404	16.5	352	7	US-11-037-243-95	Sequence 95, Appl
40	400.5	16.4	671	7	US-11-029-003-6	Sequence 6, Appl
41	398.5	16.3	391	7	US-11-037-243-83	Sequence 83, Appl
42	396	16.2	257	7	US-11-127-877-70	Sequence 70, Appl
43	395.5	16.2	482	6	US-10-995-561-560	Sequence 560, App
44	395.5	16.2	516	6	US-10-995-561-559	Sequence 559, App
45	395.5	16.2	562	6	US-10-995-561-561	Sequence 561, App

ALIGNMENTS

RESULT 1
US-11-037-243-103
; Sequence 103, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: NANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 103
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-103

Query Match	99.6%;	Score	2432.5;	DB	7;	Length	454;
Best Local Similarity	99.8%;	Pred. No.	3.2e-216;	Mismatches	0;	Indels	1;
Matches	453;	Conservative	0;				
QY	1	MGENDPPAVEAPFRRSLFG	LDLKLSPVAPDADAVAAQILSLPLKFFPIIVIGI	ALI	60		
Db	1	MGENDPPAVEAPFRRSLFG	LDLKLSPVAPDADAVAAQILSLPLKFFPIIVIGI	ALI	60		
QY	61	LALAIGLGHIFDCSGKYRCR	SPKCIELIARCDGVSDCKDGEDEYRCV	RVGGQNAV	120		
Db	61	LALAIGLGHIFDCSGKYRCR	SPKCIELIARCDGVSDCKDGEDEYRCV	RVGGQNAV	120		
QY	121	TAASWTKMCSDDWKGHYAN	VACQALGFPSVSSDNLRVSSLEGQF	REEFVSI	180		
Db	121	TAASWTKMCSDDWKGHYAN	VACQALGFPSVSSDNLRVSSLEGQF	REEFVSI	180		
QY	181	VTALHSHVYVREGCASHVV	TLOCTACGHRGYSRRIVGNGM	SLLSQWP	QASLQF	GYH	240
Db	181	VTALHSHVYVREGCASHVV	TLOCTACGHRGYSRRIVGNGM	SLLSQWP	QASLQF	GYH	240
QY	241	LCGSGVITPLWITTAACV	VDLYLPKSWTTIQVGLVSL	LDNPA	PSHLV	EKIV	THYSKYKPKR
							300

Db 241 LCGSVITPLWIIITAAHCYVDYILPKSWTIQVGLVSLDNPAPSHLVKIVVHKKPKR 300
Qy 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDDGKVCWTSCWGATEDG-GDASPVLNHA 359
Db 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDDGKVCWTSCWGATEDGAGDASPVLNHA 360
Qy 360 AVPLISNKNRHDYVGGIISPSMLCAGYLTGVDSCQDSCGGLVCQERRLWKLVGATS 419
Db 361 AVPLISNKNRHDYVGGIISPSMLCAGYLTGVDSCQDSCGGLVCQERRLWKLVGATS 420
Qy 420 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
Db 421 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 454

RESULT 2
US-11-037-243-104
; Sequence 104, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 104
; LENGTH: 537
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-104

Query Match 29.1%; Score 712; DB 7; Length 537;
Best Local Similarity 39.1%; Pred. No. 5.6e-58;
Matches 146; Conservative 64; Mismatches 145; Indels 18; Gaps 8;

Qy 85 CTIELIARCDGSDCKDGEYRCVGVGGQNAVLOVFTAA--WKTMCSDDWKGGHYANVAC 142
Db 174 CPKHAVRCDGVVDCKLKSDELCCVDFDWDKSLKIYSGSSHOWLPICSSNWNDSYSEKTC 233
Qy 143 AOLGFPSYVSSDNLVSSLEGQFREEFVSDHLLPDDKVTLALHSHVYVREGCASGHVVTL 202
Db 234 QQLGFESAHRTEVA-----HRDFANSFSLRYN--STIQESLH-RSECPSQRYISL 282
Qy 203 OCTACGHRGYSRIRVGGNMSLLSOWPQASLOFQGYHLCGGSVITPLWIIITAAHCYVDL 262
Db 283 QCSHCG-LRAMTGRIVGGALSDSKMPQVSLHFGFTTHICGGTLIDAQWLVLTAAHCFVFT 341
Qy 263 --YLPKSWTIQVGLVSLDNPAPSHLVKIVVHSHYKPKRLGNDIALMKLAGPLTFNEMI 320
Db 342 REKVLGKWKVYAGTSLNHLQPEAAIAE-IIINSNYTDEEDYDIALMRLSKPLTSAHI 400
Qy 321 QPVCLPNSSENFDDGKVCWTSCWGATEDGGD-ASPVLNHAAVPLISNKNRHDYVGGII 379
Db 401 HPACLPMHQTFSLNETCWIITFGKTRTDDTKTSPFLREVQVNLIDFKKCNLYVDSYL 460
Qy 380 SPSMLCAGYLTGVDSCQDSCGGLVCQERRLWKLVGATSFGIGCAEVNKPQVYTRVTSF 439
Db 461 TPRMNCAGDLRGDRSCQDSCGGLVCQERRNRYLAGVTSWGTGCGQRNKPQVYTKVTEV 520
Qy 440 LDWIHEQMERDLK 452

Db 521 LPWIYSKMESEVR 533

RESULT 3
US-11-037-243-110
; Sequence 110, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 110
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-110

Query Match 28.2%; Score 689.5; DB 7; Length 457;
Best Local Similarity 35.2%; Pred. No. 5.3e-56;
Matches 149; Conservative 58; Mismatches 175; Indels 41; Gaps 8;

Qy 53 VIGIIALIALAIGLGIHFDCSGKYRCRSSFKEIARIACDGVSDCKDGEYRCVRYGG 112
Db 51 VLGLALGAGVGSWLLV---LYLCPAAQSPIS-----GTLQDEEITLSCSEASA 98
Qy 113 QNAVLI-----QVFTAASWKTMCSDDWKGGHYANVACAOGLGFPSYVS 152
Db 99 BEALLPALPKTVSPRINSEDFLEEAQVRDQPRWLLVCHEGWSPALGLQICWSLGLRLUTH 158
Qy 153 SDNLVSSLEGQFREEFVSDHLLPDDKVTLALHSHVYVREGCASGHVVTLOCTACGHRG 212
Db 159 HKGNVLTIDKLNSSGEFAQLSPRLGG----FLEEAQPRNNTCSQVVSRLRSECG-ARP 213
Qy 213 YSSRTVGNMSILLSQWPMQASLOFQGYHLCGGSVITPLWIIITAAHCYVDLYLPK--SWTI 270
Db 214 LASRIVGSGSVAPGRWPMQASVALGFRHTCGSVLAPRWVVTAAHCHMSFRLARLSSWRV 273
Qy 271 QVGLVS-LLDNPAPSHLVEKIVVHSHYKPKRLGNDIALMKLAGPLTFNEMIQVCLPNS 329
Db 274 HAGLVSHSAVRPHQGLVERIIPHPLYSAQNHVDVALLRLQATALNFSDDTVGAVCLPAKE 333
Qy 330 ENFPDGVKVTSGWGATEDGGD-ASPVLNHAAVPLISNKNRHDYVGGIISPSMLCAGY 388
Db 334 QHPFKGSRCSWGWGHTHPSTYSMDMLQDVTVPVLFSTQLCNSSCVYSGALTFRMLCAGY 393
Qy 389 LTGGVDSQQSGSGGLVCQERRLWKLVGATSGFICGCAEVNKPQVYTRVTSFLDWIHEQME 448
Db 394 LDGRADACQDGGGLVCPDGDTRVLVGVSWGRACAEPNHPGVYAKVAEFLDWIHDTAQ 453
Qy 449 RDL 451
Db 454 DSL 456

RESULT 4
US-11-182-752-4
; Sequence 4, Application US/11182752
; Publication No. US20050250154A1
; GENERAL INFORMATION:
; APPLICANT: Gan, Weinu et al.

;; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
;; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
;; TITLE OF INVENTION: USES THEREOF
;; FILE REFERENCE: CL001194DIVI1
;; CURRENT APPLICATION NUMBER: US/11/182,752
;; CURRENT FILING DATE: 2005-07-18
;; NUMBER OF SEQ ID NOS: 16
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 4
;; LENGTH: 417
;; TYPE: PRT
;; ORGANISM: HUMAN
US-11-182-752-4

Query Match 27.6%; Score 674; DB 7; Length 417;
Best Local Similarity 35.8%; Pred. No. 1.3e-54;
Matches 149; Conservative 62; Mismatches 143; Indels 62; Gaps 11;
QY 59 LILALAILGLIHFDSCGKYRCRSPFKIELIARCDGVSDCKDEYRCYRVGGQNAVILQ 118
DB 26 LLLLTALIG-----AASWAIVAVLRSD-----QEPYLPVQVSSADARLM 64
QY 119 VF--TAASKMTKCDMDKGYHANYACQAQLGFPSPYSSDNLRYSSLEGQFREEFVSIIDHLL 176
DB 65 VPDKTEGTWRLCLCSSRNARVAGLSCEMGFLRALTHSBLDVRTAGANGTSGFFCVDE-- 122
QY 177 PDDKVTALHSHSVVRE-----GCASGHVVTLOCTACGHRGYSRIVGGNMSLLSOMPQ 231
DB 123 -----GRLPHTORLLEIVSPDCPRGRFLAAICQDCGRKLPVDRIVGGRTDSLGRMPQ 177
QY 232 ASLQFOGYHLCCGSGVITPLMIITAAHCYVDLYLPK-----SWTIQVGLVSLDNPAPSH 285
DB 178 VSLRYDGAHLCCGSLGSDGWLVTAAAC-----PFRNRVLRSRVFAGAVA-----QASPHG 229
QY 286 L---VVKIVYHSYKPKR-----LGNIDIALMKLAGLTFNEMIQPVCLPNSSENFDPDGK 336
DB 230 LQLGVQAVVYHGGYLPFRDPNSENSENDIALVHLSPLPLTEYIQPVCLPAAGQALVDGK 289
QY 337 VCVTSKGATEDGGDASPVLNHAAVPLISNKICNHRDVGIGIISPSMLCAGYLTGGVDS 396
DB 290 ICTVTGNGNTQYYGQAGVLOEARVPIISNDVCGADFYGNQIKPKMFCAGYPEGGIDAC 349
QY 397 QGDSGGPLVCQE---RRLWKLVGATSGFYGCAEVNKPQVYTRVTSFLDWIHEQME 448
DB 350 QGDSGGFFVCEDSISRTPRWRLCGIVSWGTCGALLAQKPGVYTKVSDREWFIPAIAK 405

RESULT 5

US-11-183-914-6

; Sequence 6, Application US/11183914

; Publication No. US20050282214A1

; GENERAL INFORMATION:

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Yue, Henry

; APPLICANT: Guegler, Karl J.

; APPLICANT: Corley, Neil C.

; APPLICANT: Tang, Tom Y.

; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES

; NUMBER OF SEQUENCES: 24

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Dr.

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/11/183,914
;; FILING DATE: 19-JULY-2005
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/008,271
;; FILING DATE: 16-Jan-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: <Unknown>
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mohan-Peterson, Sheela
;; REGISTRATION NUMBER: 41,201
;; REFERENCE/DOCKET NUMBER: PF-0458 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650-855-0555
;; TELEFAX: 650-845-4166
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 435 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: COLNNOT13
;; CLONE: 1337018
US-11-183-914-6

Query Match 26.9%; Score 658; DB 7; Length 435;

Best Local Similarity 35.7%; Pred. No. 3.9e-53;

Matches 158; Conservative 74; Mismatches 147; Indels 64; Gaps 18;

QY 44 LPLKFPPIIVIGIILALALA-----IGLGHFDSCGKYRCRSPFKC---IELIAR--- 91
DB 22 IPMEFRKVGIPILIALSLASIIIVVLKIVLD---KY-----YFLCGOPLHFIPRKQL 74
QY 92 CDGVSDCKDGRDEYRC-----VRVGQNAVLOVFTAA--SWKTCMSDDWKGYHA 138
DB 75 CDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDFTEALA 134
QY 139 NVACAQLGFPSPYSSDNLRYSSLEGQFREEFVSIIDHLLPDDKVTLALHSHSVVREG---CA 195
DB 135 ETACRQMGYS-----KPTFRAVEIGPDQDLVDVEITENSQELMRNMSGPCL 182
QY 196 SGHVVTLOCTACGHRGYSRIVGGNMSLLSQMPQASLQFGYHLCCGSGVITPLMIITA 255
DB 183 SGLSVSLHCLACGESL-KTPRVVGGEEASVDSKMPQVSIQYDKQHVCGGSIIDPHWVLT 241
QY 256 AHCV---YDLYLPKSWTIQVGLVSLDNPAPSHLVEKIV---YHSKYKPKRLGNDIALMK 309
DB 242 AHCFRKHTDVF---NWKVRAGSKL--GSFPPLAVAKIIIEFNPMY-PK--DNDIALMK 293
QY 310 LAGPLTFNEMIQPVCLPNSSENFDPDGKVCWTSGWAT-EDGGDASPVLNHAAVPLISNKI 368
DB 294 LQPLTFSGTVPICLPFFDEELTPATPLWIGWGTKONGKMSDILLOASVQVLDSTR 353
QY 369 CNHRDVGIGIISPSMLCAGYLTGGVDSGCGDGGPLVCQERRRLWKLVLGATSGFYGCAEVN 428
DB 354 CNADDAVQGEVTEKMKCAGIPGEGVDTCQDGGPLMYQSDQ-MHVVGIVSWGVCGGPS 412
QY 429 KPGVYTRVTSFLDWIHEQMERDL 451
DB 413 TPGVYTKVSAIYLNWYVWVWKAEL 435

RESULT 6

US-11-182-752-2

; Sequence 2, Application US/11182752

; Publication No. US20050250154A1

; GENERAL INFORMATION:

; APPLICANT: Gan, Weiniu et al.

; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

; TITLE OF INVENTION: USES THEREOF

```
; FILE REFERENCE: CL001194DIVII
; CURRENT APPLICATION NUMBER: US/11/182,752
; CURRENT FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 376
; TYPE: PRT
; ORGANISM: HUMAN
US-11-182-752-2

Query Match      26.9%; Score 656.5; DB 7; Length 376;
Best Local Similarity 34.8%; Pred. No. 4.5e-53;
Matches 143; Conservative 56; Mismatches 119; Indels 93; Gaps 10;

QY 59 LILALAIAGLIIHFDGSGKTRCRSSPKFELIARCDGSDCKGDEBYRCVRVGGQNAVLIQ 118
Db 26 LLLLLTAIG-----AASWAIIVALLRSD-----OBPLYPVQVSSADARLM 64
QY 119 VF--TAASWKTCDDWKGHYANVACAQLGFPSPYVSSDNLRVSSLEGQFREFVSIIDHLL 176
Db 65 VFDKTEGTWRLCCSRNARNVAGLSCENMGFLS----- 97
QY 177 PDKVTALHSHVYVREGCASHGVVTLQCTACGHRRGYSRIVGNNMSSLISQWPMQASLQF 236
Db 98 -----DCPRGRFLAAICODCGRRKLPVDRIVGGRTSLGRWPQVSLRY 141
QY 237 QYHLCGGSVITPLMIITAAHCYDLYLPK-----SWTIQVGLVSLLDNPAPSHL---V 287
Db 142 DGAHLGCGSLLSGDWLVTAAHC-----FPERNRVLSRWRVPAGAVA---QASPHGLQLGV 193
QY 288 EKIVHYSKYKPR-----LGNIDALMKLAGLPTFNEMIQVCLNSNENFPDGKVCWTS 341
Db 194 QAVVYHGGYLPFRDENSENSNDIALVHLSPLPTEYIQVCLPAAGALVDGKICTVT 253
QY 342 GNGATEDGDGASPVLNHAAVPLISNKICNHRDVGIIISPSMLCAGYLTGGVDSQCQDSG 401
Db 254 GNGNTQYIQQAGVLEQARVPIISNDVNCGADFYGNQIKPKMFCAGYPEGGIDACQDSG 313
QY 402 GPLVQGE-----RLMKLVGATSGFGCAEVNKPGVYTRVTSFLDWIHEOME 448
Db 314 GPFVCEDSISRTPRVRLCGIVSWGTCGALAQKPGVYTVKVSDFREWIFQAIAK 364

RESULT 7
US-11-102-240-112
; Sequence 112, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
; TITLE OF INVENTION: ESOPHAGEAL TUMOR
; FILE REFERENCE: P3230RIC106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 112
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-112
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```
Query Match      26.6%; Score 649.5; DB 7; Length 432;
Best Local Similarity 35.2%; Pred. No. 2.4e-52;
Matches 156; Conservative 74; Mismatches 144; Indels 69; Gaps 18;

QY 44 LPLKFPPIIIVIGIIIALIALA-----IGLGIHFDCSGKYRCRSFKC---IELIAR--- 91
Db 24 IPMETFRKVGIPIIIALSLASIIIVVLIKVILD---KY-----YFLCGQPLHFIPIRQQL 76
QY 92 CDGVSDCKDGEDEYRC-----VRVGQNAVLIQVFTAA--SWKTMCSDDWKHYA 138
Db 77 CDGELDCPLGDEDEHCVCVSPPEGPAVAVRLSKDRSTLQVLDSATGNWSPACDFNFTAL 136
QY 139 NVACAQLGFPSPVSSDNLRVSSLEGQFREFVSIIDHLLPDDKVTALHSHSVTVREG---CA 195
Db 137 ETACQMGYSRAVE-----IGPDOLDVVEITENSQELRWNSGGPCL 179
QY 196 SGHVVTLOCTACGHRRGYSRIVGNNMSSLISQWPMQASLQFGYHLCGGSVITPLWIIITA 255
Db 180 SGLSVLSLHCLAGC-KSLKTPRVVGGEASVDSWPQVSIQYDKQHVCGSILDPHWLTA 238
QY 256 AHCV---YDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIV---YHSKYKPKRLGNDIALMK 309
Db 239 AHCFRKHDTVF---NMKVRAGSDKL--GSFPFLAVAKIIIEFNPMY-PK--DNDIALMK 290
QY 310 LAGPLTFNEMIQVCLPNSENFDPGKVCWTSGMGAT--EDGGDASPVLNHAAVPLISNKI 368
Db 291 LQPLUTFGTGRPICLPFFDEELPATPLMIIGWFTKQNGKMSDILLOASVQVIDSTR 350
QY 369 CNHRDVGIIISPSMLCAGYLTGGVDSQCQDSGGLVQCQERRLMKLVGATSGIGCAEVN 428
Db 351 CNADDAYQGEVTEKMWCMCAGIPEGGVDTTCQDGGGGLMYQSDQ--WHVVGIVSWGVCQGPS 409
QY 429 KPGVYTRVTSFLDWIHEQMERDL 451
Db 410 TPGVYTKVSAYLNMVINYWKAE 432

RESULT 8
US-11-037-243-113
; Sequence 113, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 113
; LENGTH: 802
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-113

Query Match      22.8%; Score 556; DB 7; Length 802;
Best Local Similarity 32.3%; Pred. No. 2.1e-43;
Matches 152; Conservative 62; Mismatches 171; Indels 86; Gaps 20;

QY 5 DPPAVEAPFSP--RSLFLGDLDDLKISFVAPADADAAVAQILSLPLKFPPIIIVIGIIALILA 62
Db 385 DLFPCTQGGWTONRRLCGLRILO-----PYAERI-----PVTATGITTINFTSQISL 431
```

QY 63 LAIGLGIHF-----DCSGKYCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRVGQNA 115
Db 432 TEGVVRVHGLYNQSDPCFGEFLCSVNGLC---VPACDGVGDCPNGLDERNCV---CPA 484
QY 116 VLQV---FTAAWKTC-----SDDWKGHYANVACAQLGFP-----SYVSSDNLVRSS 160
Db 485 TFQCKEDSTCISLPKVCDDQPCDLNGSDEEQCGVPCGTFTFQCEDRSCVKKPN---PQ 541
QY 161 LSGQPREEFVSDHLLPDDKVTALHHSVVRGCSAGHVVTIQCACGHRGYSRIVGG 220
Db 542 CDGR-----PD-----CRDGSDEH-----CD-CG-LQGPSSRIVGG 571
QY 221 NNSLLSOWPQASLOFQGVHLCGGSVITPLWITTAHCVYDLYLPKS--WTIQVGLVSL 278
Db 572 AVSSEGEWPAQASLOVRGHIICGALIADRWITAAHCFQEDSMASSTVLWTFVFGV-WQ 630
QY 279 DNPAP---SHLVEKIVYHSHKYPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSENFPPDG 335
Db 631 NSRWPGEVSKVSRLLHPVHEBDSHDYDVALIQLDHPVVRSAARPVCLPARSHFFEPG 690
QY 336 KVCWTSWGNATEDGGDASPVLNHAAVPLISNKCINHRDVGGIISPSMLCAGVLTGGVDS 395
Db 691 LHCWITGWAALREGGIPISNALQKVDVQLIPQDLCS--EAYRYQVTPRMLCAGTRKGGKDA 748
QY 396 CQDSDGGLPVLCOR--RLWLKLVGATSPGIGCAEVNKPVGVTYRTVSFLDWIHE 445
Db 749 CQDSDGGLPVLCALSGRWFLAGLVSWGLGCGRPNYEGVYTRITGVLSWQQ 799

RESULT 9

US-10-995-561-536

; Sequence 536, Application US/10995561

; Publication No. US2005027054A1

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559

; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24

; NUMBER OF SEQ ID NOS: 85702

; SOFTWARE: Fast-Seq for Windows Version 4.0

; SEQ ID NO 536

; LENGTH: 638

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-995-561-536

Query Match 22.5%; Score 549.5; DB 6; Length 638;
Best Local Similarity 35.8%; Pred. No. 6.1e-43;
Matches 124; Conservative 57; Mismatches 116; Indels 49; Gaps 11;
QY 132 DWKHGVANVACAQLGFPSSVSSDNLVRSSLEGOFREEFVSDHLLPDD----- 179
Db 301 DFGGEBLV-----TFVKGYNVCQETCTKMRQCQFTYS--LLPEDCKEKCFLRL 351
QY 180 ----KVTALHHSVVRGCSAGHVVTI-----OCTACGHRGYSRIVGGNMSLLSQW 228
Db 352 SMDGSPRI---AYGTQ--SSGYSLRLCNTGDSVCTT-----KTSTRIVGGTNSNGEW 402
QY 229 PQWASLOFQ---GVHLCGGSVITPLWITTAHCVYDLYLPKSWTIQVGLVSLD--NPAP 283
Db 403 PQWVSLQVKLTAORHLCCGSLIGHQWVITAAHCFDGLPLQDVWRIYSGIILNLSIDITKDP 462
QY 284 SHLVEKIVYHSHKYPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSENFPPDGKVCWTSW 343
Db 463 FSQIKEIHHQNTKVSSEHNDIALIKQAPLNTYEFQKPICLPSKGTSTIYINCWTCW 522
QY 344 GATEDGGDASPVLNHAAVPLISNKCINHRDVGGI--ISPSMLCAGVLTGGVDSQGDSSG 402
Db 523 GFSKEKEIQNILQKVNIPLVNTECQKR--YQDYKITQRMVCAGYKEGKCKDCKGDSGG 580

RESULT 11

US-11-037-243-108

; Sequence 108, Application US/11037243

; Publication No. US20050287546A1

QY 403 PLVCOERBLWLKLVGATSPGIGCAEVNKPVGVTYRTVSFLDWIHEQME 448
Db 581 PLVCKHNGWRLVGITSWGEGCARREQPGVYTKVAEYMDWILLEKTQ 626

RESULT 10

US-11-037-243-92

; Sequence 92, Application US/11037243

; Publication No. US20050287546A1

; GENERAL INFORMATION:

; APPLICANT: FLOWMAN, GREGORY

; APPLICANT: WHITE, DAVID

; APPLICANT: CAENEPEEL, SEAN

; APPLICANT: CHARYDCZAK, GLEN

; APPLICANT: MANNING, GERARD

; APPLICANT: SUDARSANAM, SUCHA

; TITLE OF INVENTION: NOVEL PROTEASES

; FILE REFERENCE: 038602/1214

; CURRENT APPLICATION NUMBER: US/11/037,243

; CURRENT FILING DATE: 2005-05-26

; PRIOR APPLICATION NUMBER: US/09/888,615

; PRIOR FILING DATE: 2001-06-26

; PRIOR APPLICATION NUMBER: 60/214,047

; PRIOR FILING DATE: 2000-06-26

; NUMBER OF SEQ ID NOS: 150

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 92

; LENGTH: 425

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-037-243-92

Query Match 21.7%; Score 529; DB 7; Length 425;
Best Local Similarity 30.3%; Pred. No. 2.8e-41;
Matches 135; Conservative 66; Mismatches 141; Indels 104; Gaps 12;
QY 46 LKFFPIIVIGIILALALGIGHF-----DCSGKYCRSSFKCI 86
Db 30 LALFTLAIVAII---GIAIGVITHFVVEDDKSFYFLASFVNTIKYKENYGISSREFI 85
QY 87 E-----LIARCDGVSDCKDEDEYRCVVRGQNAVQLVFTAASWKTCSDDDWKGHYAN 139
Db 86 ERSHQIERMMSRI-----FRHSSVGRFI-----KSHVIK 115
QY 140 VACAOLG-----FPSYVSSDNLVRSSLEGQREFVSDHLLPDDKVTALHHSVY 189
Db 116 LSPDEQGVILIVLFRYESTDSAEQIK-KKIE-----KALYQSLK 155
QY 190 VREGCASHVVTIQCACGHRGYS-----RIVGNNMSSL--SOWPQASLOFQ 238
Db 156 TKQLSLTINKPSFRLTRCGIRMTSSNMPLPASSSTQRIVQGRETAMEGEPWQASLQJIG 215
QY 239 Y-HLGGSVITPLWITTAHCVYDLYLPKSWTIQVGLVSLDNPAPSHLVEKIVYHSHK 297
Db 216 SGHQCGASISNTWLLTAHCFWKNKDPQWIAITFG--ATITPPAVKRNVRKILHENYH 273
QY 298 PKRLGNDIALMKLAGPLTFNEMIOPVCLPNSSENFPPDGKVCWTSWGNATEDGGDASPVLN 357
Db 274 RETNENDIALVQLSTGVFEFSNIVQVCLPDSSIKLPKTSVFTVGTGFSIVDDGPIONTLR 333
QY 358 HAAVPLISNKCINHRDVGGIISPSMLCAGYLTGGVDSQGDSSGGPLVCOERBLWLKLVGA 417
Db 334 QARVETISTDVCNKRKVDVGLITPGMLCAGFMEBKIDACKGDSGGPLVDNHDIIWTVIGI 393
QY 418 TSEGICCAEVNKPVGVTYRTVSFLDWI 443
Db 394 VSWGQSCALPKKPGVYTRVTKYRDWI 419

```
; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 108
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-11-037-243-108

Query Match      21.7%; Score 529; DB 7; Length 850;
Best Local Similarity 33.6%; Pred. No. 6.7e-41;
Matches 133; Conservative 49; Mismatches 144; Indels 70; Gaps 14;

QY 75 GKYCRSFKCIELIARCDGVSDDKGDDEYRCVRVGGONAVLQVFTTAAWKMTGMSDDWK 134
Db 494 GSFRC-SSGLCVFQAQRCDGVNDCFDSEDLFCV-----SFQACNTSSF 537
QY 135 GHYANVACAQLGFPFVSVDNLRVSSLEQ-----FREEFVSIDHLL-- 176
Db 538 ROHGPLIC-----DGRFCENGDRQNCQTQSIQPCNNRTFKCNDICFRQNAKCDGTVC 592
QY 177 PDKVTALHHSVYVREGCASGHVVTLOCTACGHRRGYSRIVGNGMSLLSQWPQASLQF 236
Db 593 PDGS-----DEEGC-----TCRSSSALHRIIGTDTLEGGWPMQVSLHF 632
QY 237 QQYHLCGSGSVITPLMIITAAHCVDLYL--PKSWTIQVGLVSLLDNPPAPSHLVEKIVTHS 294
Db 633 VGSAYCGASVISREWLLSAAHCFHGNRLSDPTPTTAHLGMY-VQGNAKFVSPVRRIVVHE 691
QY 295 KYKPKELGNDIALMKL--AGPLTFNEMIQPVCLPNSSENFDPGKVCWTSGWGATEDGGD- 351
Db 692 YNSQTFDYDIALQLSLAAMPETLQOLIQPICPTGQVRSGEKCVWTGMRREADNK 751
QY 352 ASPVLNHAAPLISKNKINHRDVGIIISPSMLCAGYLTGGVDSQQGSGGGLVQCQRR- 410
Db 752 GSLVLQQAEEVLIDQTLG--VSTY-GIITSRLCAGIMSGKEDACKGDSGGPLSCRRKSD 808
QY 411 -LWKLVGATSFQIGCAEVNKPQGVYTRVTSFLDWIHE 445
Db 809 GKWLITGIVSWGHGCGRPNFPGVYTRVSNFVFWPIHK 844

RESULT 12
US-11-037-243-85
; Sequence 85, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
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; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 85
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-85

Query Match      21.5%; Score 525; DB 7; Length 296;
Best Local Similarity 41.1%; Pred. No. 4.1e-41;
Matches 106; Conservative 39; Mismatches 91; Indels 22; Gaps 7;

QY 206 ACHHRRGYSSRIVGNGMSLLSQWPQASLQFQGYHLCGSGSVITPLMIITAAHCVDLYLP 265
Db 23 ACHGRE-IHALVAGGVESARGRWPMQASLRURRRHRCGSLSRRWLWLSAAHCFQKHYP 81
QY 266 KSWTIQVGLVSLLDNPPAPSHLVEKIVHYSKYK-----PKRLG---NDIALMKLAGPLT 315
Db 82 SEWTVQLG--ELTSRPTPNWL--RAYSSRYKVQDIIWVPDALGVLRNDIALLRASSVT 136
QY 316 FNEMIQPVCLPNSSENFDPGKVCWTSGWGATEDGGDASPV---LNHAAVPLISNKKI CNH- 371
Db 137 YNAVITQPICIESSTFNFVHRPDCWVTGWLISPSGTPLPFPYPLNREAOVTILNTRCNYL 196
QY 372 --RDVYGGIISPSMLCAGYLTGGVDSQQGSGGGLVQCQERLWKLVGATSFQIGCAEVNK 429
Db 197 FEQSSRSRMWDSMFCAGAEDEGSDTCKDGGGLVCDROGLWYQVGLVSWGMDCGQPNR 256
QY 430 PGVYTRVTSFLDWIHEQM 447
Db 257 PGVYTNISVYFHMIRRYM 274

RESULT 13
US-11-137-465-56
; Sequence 56, Application US/11137465
; Publication No. US20050255558A1
; GENERAL INFORMATION:
; APPLICANT: Agarwal, Pankaj
; APPLICANT: Murodoch, Paul R.
; APPLICANT: Rizvi, Safia, K.
; APPLICANT: Smith, Randall, F.
; APPLICANT: Xiang, Zhaoying
; APPLICANT: Kabinick, Karen
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP50018
; CURRENT APPLICATION NUMBER: US/11/137,465
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US/10/239,663
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/US01/09226
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/192,158
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: 60/192,668
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: 60/200,166
; PRIOR FILING DATE: 2000-04-27
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 56
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-137-465-56

Query Match      21.5%; Score 525; DB 7; Length 305;
Best Local Similarity 41.1%; Pred. No. 4.2e-41;
Matches 106; Conservative 39; Mismatches 91; Indels 22; Gaps 7;

QY 206 ACHHRRGYSSRIVGNGMSLLSQWPQASLQFQGYHLCGSGSVITPLMIITAAHCVDLYLP 265
```

Db 32 ACGRHE-IHALVAGVESARGWRPMQASLRRLRRHRCGSGLLSRWVLSAAHCFQKHYYP 90
QY 266 KSWTTQVGLVSLDNPAPSHLVEKIVYHSKYK-----PKRLG---NDIALMKLAGPLT 315
Db 91 SEWTVQLG--ELTSRTPWNL---RAYSSRYKVQDDIIVNPDALGVLNRDIALRLASSVT 145
QY 316 FNEMTQVCLPNSSENFDPGKVCWTSWGATDGGDASPV---LNHAAVPLISNKNCH- 371
Db 146 YNAYTQPCIESSTFNVRPDCWVTGWLISPSGTLPPPNLREAOQTILNTRCNVL 205
QY 372 --RDVYGGIISPSMLCAGYLTCGSDSCQDGGPLVCQBRRLMKLVGATSGFICAEVNM 429
Db 206 FEQPSRSIMWDSMFCAGADSGSDTKGDSGGLVCDKDLWYQVGVISWGMDCQPNR 265
QY 430 PGVYTRVTSFLDWIHEQM 447
Db 266 PGVYTNISVYFHWIRRM 283

RESULT 14

US-11-102-240-106
; Sequence 106, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
; FILE REFERENCE: P3230RIC106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 106
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-106

Query Match 21.4%; Score 522.5; DB 7; Length 423;
Best Local Similarity 30.7%; Pred. No. 1.1e-40;
Matches 138; Conservative 55; Mismatches 145; Indels 111; Gaps 14;
QY 52 IVIGIATLIALAIGLGIHFDCKSGYRCRSPKCIELIARCDGVSCKDGEDEYRCVRVG 111
Db 23 LVFISLVLAVCIGLVHY-----VRY- 45
QY 112 GQNAVQLQVTAASWTKMCDKMGHYANVACAQLGFFSVYSSDNLRVSSLEGQFREFFVS 171
Db 46 NQKTYNYSTLSFTT---DKLYAEFGREASNNFTMSQRLSMVKNAPYKSPLEEFVK 102
QY 172 -----IDHLL-----PD--DKVT---ALH-----HSVYV 190
Db 103 SQVIFKSQKHGVLAHMLLCRFHSTEDPETVDKIVQLVLHKLQDAVGPKVPDPSVKI 162
QY 191 REGCASHVVTLOCT-----ACGHR-----GYSSRIYGGNMSLLSQWPMQASLQFQG 238
Db 163 KK-----INKTETDYNLHCCGTRRSKTLGQSLRIVGGTEVEGEPWQASLQWDG 213
QY 239 YHLCCGSVITPLWITTAHCVYDLYLPKSWTIQVGLVSLDNPAPSHL---VEKIVYHSK 295
Db 214 SHRCGATLNATWLVSAAHCFCTTYKNPARWTASFGVTI-----KPSQMKELRIIVHEK 268

QY 296 YKPRLGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSWGATDGGDASPV 355
Db 269 YKHPSHDYDISLAELSSPVVYTNAVHRVCLPDASVEFQPDGVMTVTFGALKNDGYSONH 328
QY 356 LNHAAPVPLISNKNHRDVIYGGIISPSMLCAGYLTCGSDSCQDGGPLVCQERR-LWKL 414
Db 329 LRQAQVTLIDATTCNEPOAYNDAITPRMLCAGSLGKTDACQDGGPLVSSDARDIWL 388
QY 415 VGATSGFGICGCAVKNKPGVYTRVTSFLDWI 443
Db 389 AGIVSWGDECAKPNKPGVYTRVTSFLDWI 417
RESULT 15
US-11-067-811-1
; Sequence 1, Application US/11067811
; Publication No. US20050260688A1
; GENERAL INFORMATION:
; APPLICANT: Morgan, Bruce A
; APPLICANT: Enshell-Schiffers, David
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR HAIR GROWTH
; FILE REFERENCE: 10287-083001
; CURRENT APPLICATION NUMBER: US/11/067,811
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: US 60/548,272
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 1
; LENGTH: 1042
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-811-1

Query Match 21.3%; Score 520.5; DB 7; Length 1042;
Best Local Similarity 33.2%; Pred. No. 5.3e-40;
Matches 127; Conservative 73; Mismatches 149; Indels 33; Gaps 15;
QY 85 CIELTARCDGVSCKDGEDEYRCVRVG---GQNAVQLQVTAASWTKMCDKMGHYANVA 141
Db 667 CVSRDLWCDGEADCSDDSDWDCVTLISNVNSSFLLMVRRAATEHHVVCADGWQEIISQLA 726
QY 142 CAQLGF--PSYVSSDNLRVSSL--EQFREFFVSIDHLLPDDKVTALHHSVYVREGCAG 197
Db 727 CKQMGLEFS-----VTKLQEQEKEPRMLTLHSNWESLNGTTLHELLVNGQCESR 778
QY 198 HVVTLQCTA--CGHRRG--YSSRIYGGNMSLLSQWPMQASLQFQ--GYHLCCGSVITPLWI 252
Db 779 SKISLLCTKQDCGRRPARMKNRIILGRTSRPCRWPMQCSLQSEPSGHICGCVLIARKWV 838
QY 253 ITAAHCYVDLYLPKSWTIQVGLVSLDNPAA---PSHLVEKIVYHSKYKPKRLGNDIALMK 309
Db 839 LTAHACFEGRNAAVWKVVLG--INNLDHPSVPMQTRFVKTIILHPRYSRAVDYDISIVE 897
QY 310 LAGPLTFNEMIQVCLPNSSENFDPGKVCWTSWGATDGGDASPV-LNHAAVPLISNKN 368
Db 898 LSEDISETGYRVPVCLPNEQWLEPDYCYITGWHM---GNKMPFKLQSGEVRIISLEH 954
QY 369 C-NHRDVIYGGIISPSMLCAGYLTCGSDSCQDGGPLVCQER-RRLMKLVGATSGFICG-A 425
Db 955 CQSYFDM--KTITRMICAGYESGTVDSCMGDSGGPLVCKECPGGRWTLFGLTSMGVCFS 1012
QY 426 EVNKPQVYTRVTSFLDWIHEQM 447
Db 1013 KVLGPGVYNSVYFVEWIKRQI 1034

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Job time : 10 secs

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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 20:50:54 ; Search time 239,851 Seconds
(without alignments)
10093.927 Million cell updates/sec

Title: US-09-846-512-3

Perfect score: 1362

Sequence: 1 atgggggaaatgatccgcc.....agagagacataaaacctga 1362

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

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2: /cgn2_6/ptodata/1/ina/5 COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
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7: /cgn2_6/ptodata/1/ina/PP COMB.seq.*
8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1362	100.0	2412	3	US-09-999-833A-68
2	1362	100.0	2412	3	US-10-020-445A-68
3	1347.4	98.9	2440	3	US-09-949-016-5210
4	1347.4	98.9	2440	3	US-09-949-016-5211
5	1347.4	98.9	2440	3	US-09-949-016-5212
6	1329.4	97.6	2413	3	US-09-518-046-1
7	1329.4	97.6	2413	3	US-09-650-371-1
8	1303.2	95.7	2416	3	US-09-261-416-1
9	1188.4	87.3	2544	3	US-09-518-046-3
10	1188.4	87.3	2544	3	US-09-650-371-3
11	1225.6	16.6	1479	3	US-09-342-749-1
12	1225.6	16.6	1479	3	US-09-691-840-1
13	1225.6	16.5	2448	3	US-09-949-016-5203
14	1223.4	16.4	3245	3	US-09-759-143-929
15	1223.4	16.4	3245	3	US-10-012-896-929
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21	1220.2	16.2	2479	3	US-09-691-840-29
22	1220.2	16.2	2479	3	US-09-685-166A-894
23	1220.2	16.2	2479	3	US-09-679-426-894
24	1220.2	16.2	2479	3	US-09-759-143-894

Sequence 894, App
Sequence 8, Appli
Sequence 2, Appli
Sequence 9, Appli
Sequence 3, Appli
Sequence 11, Appli
Sequence 1, Appli
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Sequence 16953, A
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Sequence 18, Appli
Sequence 18, Appli
Sequence 274, App
Sequence 274, App
Sequence 274, App
Sequence 274, App

25 220.2 16.2 2479 3 US-10-012-896-894
26 215.6 15.8 3443 3 US-09-807-201-8
27 213.2 15.7 1077 3 US-08-807-151-2
28 213.2 15.7 1077 3 US-09-478-957-2
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30 181.4 13.3 1341 3 US-10-177-661-3
31 181.4 13.3 1434 3 US-10-177-661-1
32 181.4 13.3 1748 3 US-09-879-792-11
33 174.6 12.8 28203 3 US-09-949-016-16952
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35 174.6 12.8 28203 3 US-09-949-016-16954
36 173.2 12.7 601 3 US-09-949-016-181311
37 173.2 12.7 601 3 US-09-949-016-181348
38 173.2 12.7 601 3 US-09-949-016-181385
39 160.8 11.8 2121 3 US-09-607-745-1
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43 159.2 11.7 2063 3 US-10-015-389A-274
44 159.2 11.7 2063 3 US-10-006-768A-274
45 159.2 11.7 2063 3 US-10-015-671A-274

ALIGNMENTS

RESULT 1

US-09-999-833A-68

; Sequence 68, Application US/09999833A

; Patent No. 6916648

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kijavini, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

; FILE REFERENCE: P2630P1C65

; CURRENT APPLICATION NUMBER: US/09/999,833A

; CURRENT FILING DATE: 2001-10-24

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064249

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

/ PRIOR APPLICATION NUMBER: 60/077450
/ PRIOR FILING DATE: 1998-03-10
/ PRIOR APPLICATION NUMBER: 60/077632
/ PRIOR FILING DATE: 1998-03-11
/ PRIOR APPLICATION NUMBER: 60/077641
/ PRIOR FILING DATE: 1998-03-11
/ PRIOR APPLICATION NUMBER: 60/077649
/ PRIOR FILING DATE: 1998-03-11
/ PRIOR APPLICATION NUMBER: 60/077791
/ PRIOR FILING DATE: 1998-03-12
/ PRIOR APPLICATION NUMBER: 60/078004
/ PRIOR FILING DATE: 1998-03-13
/ PRIOR APPLICATION NUMBER: 60/078886
/ PRIOR FILING DATE: 1998-03-20
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/ PRIOR FILING DATE: 1998-04-15
/ PRIOR APPLICATION NUMBER: 60/081952

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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGGAAATGATCGCGCTGCTGTTGAAGCCCCCTCTCATTCGATCGCTTTTGGC 60
DB 126 ATGGGGGAAATGATCGCGCTGCTGTTGAAGCCCCCTCTCATTCGATCGCTTTTGGC 185
QY 61 CTTGATGATTTGAAAAATAAGTCTGTTGCACCAAGATGCAGATGCTGTTGTCGACAGATC 120
DB 186 CTTGATGATTTGAAATAGTCTGTTGCACCAAGATGCAGATGCTGTTGTCGACAGATC 245
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DB 246 CTGTCACTGTCGCATGCAATGATTTTTCATCATCTGATTCGATGATTCATTTGATA 305
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DB 606 CTGGAGGGGCGAGTTCCGGGAGGAGTTGTCATCATCATCTTTCGACAGATGACAAG 665
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DB 1086 CAGCCTGTGTGCTGCTGCCCAACTCTGAGAGAACTTCCCGATGGAAGTGTCTGGACG 1145
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DB 1206 GTCCCTTTGATTTCCAAACAGATCTGCAACCAAGATCTGCAACCAAGCGGCCATCTCC 1265
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RESULT 2
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; Sequence 68, Application US/10020445A
; Patent No. 6962797

GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C74
; CURRENT APPLICATION NUMBER: US/10/020,445A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30

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7	PRIOR APPLICATION NUMBER: 60/066364	7	PRIOR APPLICATION NUMBER: 60/081299
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37	PRIOR APPLICATION NUMBER: 60/079663	37	PRIOR APPLICATION NUMBER: 60/080194
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48	PRIOR FILING DATE: 1998-03-31	48	PRIOR FILING DATE: 1998-03-31
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55	PRIOR APPLICATION NUMBER: 60/080165	55	PRIOR APPLICATION NUMBER: 60/080334
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67	PRIOR APPLICATION NUMBER: 60/080328	67	PRIOR APPLICATION NUMBER: 60/080334
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; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 121 CTGTCACTGCTGCCATTGAAGTTTTCATCATCTGATGCGATCATTTGGATGATTA 180
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Qy 246 CTGTCACTGCTGCCATTGAAGTTTTCATCATCTGATGCGATCATTTGGATGATTA 305
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Qy 181 TTAGCACTGCCATTGCTCTGGGATCCACTTCGACTGCTCAGGGAAGTACAGATGCGC 240
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Qy 241 TCATCTCTTTAAGTGTATCGAGCTGATAGCTGATGCGAGTCTCGGATTTGCAAGAC 300
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Qy 901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAAATGATC 960
Db |
Qy 1026 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAAATGATC 1085
Db |
Qy 961 CAGCCTGTGTGCTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTCTGGACG 1020
Db |
Qy 1086 CAGCCTGTGTGCTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTCTGGACG 1145
Db |
Qy 1021 TCAGGATGGGGGCCACAGAGATGAGGATGAGCGCTCCCTCTCTGACACCGGGCC 1080
Db |
Qy 1146 TCAGGATGGGGGCCACAGAGATGAGGATGAGCGCTCCCTCTCTGACACCGGGCC 1205
Db |
Qy 1081 GTCCCTTTGATTTCCCAACAGATCTGCAACACAGAGACGTGTACGGTGGCATCATCTCC 1140
Db |
Qy 1206 GTCCCTTTGATTTCCCAACAGATCTGCAACACAGAGACGTGTACGGTGGCATCATCTCC 1265
Db |
Qy 1141 CCCTCCATGCTGTGCGGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGC 1200
Db |
Qy 1266 CCCTCCATGCTGTGCGGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGC 1325
Db |
Qy 1201 GGGGGGCCCCGTGTGTGTCGAAGAGAGAGCTGTGGAAGTTAGTGGAGGAGCAGCAGCTTT 1260
Db |
Qy 1326 GGGGGGCCCCGTGTGTGTCGAAGAGAGAGCTGTGGAAGTTAGTGGAGGAGCAGCAGCTTT 1385
Db |
Qy 1261 GGCATCGGCTGCCAGAGGTGAAACAGCTGGGGTGTACACCCGTGTACCTCTCTCTG 1320
Db |
Qy 1386 GGCATCGGCTGCCAGAGGTGAAACAGCTGGGGTGTACACCCGTGTACCTCTCTCTG 1445
Db |
Qy 1321 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1362
Db |
Qy 1446 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1487
Db |

RESULT 3

US-09-949-016-5210
; Sequence 5210, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5210
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5210

Query Match 98.9%; Score 1347.4; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1361; Conservative 0; Mismatches 1; Indels 3; Gaps 1;
Qy 1 ATGGGGGAAATGATCCGCTGCTGTGTTGAAGCCCCCTTCTCATTCGGATCGCTTTTGGC 60
Db |

Db 202 ATGGGGGAAAAATGATCCGCTGCTGTTGAAGCCCCCTTCTCATTCGATCGCTTTTGGC 261
Qy 61 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 120
Db 262 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 321
Qy 121 CTGTCACTGCTGCATTTGAAGTTTTCATCATCATCTGATTTGGGATCATTTGATTTGATA 180
Db 322 CTGTCACTGCTGCATTTGAAGTTTTCATCATCATCTGATTTGGGATCATTTGATTTGATA 381
Qy 181 TTAGCATGCGCATTTGGTCTGGGCAATCCATCTCGACTGCTCAGGGAAGTACAGATGTCG 240
Db 382 TTAGCATGCGCATTTGGTCTGGGCAATCCATCTCGACTGCTCAGGGAAGTACAGATGTCG 441
Qy 241 TCATCCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
Db 442 TCATCCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 501
Qy 301 GGGGAGGACAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 360
Db 502 GGGGAGGACAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 561
Qy 361 ACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACGCAAAATGTT 420
Db 562 ACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACGCAAAATGTT 621
Qy 421 GCCTGTGCCCACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAA CTTGAGTGTGCTCG 480
Db 622 GCCTGTGCCCACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAA CTTGAGTGTGCTCG 681
Qy 481 CTGGAGGGGACGTTCCGGGAGAGTTTGTTCATCGATCACCCTCTTGCAGATGACAAG 540
Db 682 CTGGAGGGGACGTTCCGGGAGAGTTTGTTCATCGATCACCCTCTTGCAGATGACAAG 741
Qy 541 GTGACTGCTATTACACACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGCTGTT 600
Db 742 GTGACTGCTATTACACACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGCTGTT 801
Qy 601 ACCTTCAGTGTACAGCTGTGTCATAGAAAGGGCTACAGTTCAGCATCTGTGGTGA 660
Db 802 ACCTTCAGTGTACAGCTGTGTCATAGAAAGGGCTACAGTTCAGCATCTGTGGTGA 861
Qy 661 AACATGCTCTGCTCGCAGTGGCCCTGCGAGGCGAGCTTCAGTTCAGGGCTACCAAC 720
Db 862 AACATGCTCTGCTCGCAGTGGCCCTGCGAGGCGAGCTTCAGTTCAGGGCTACCAAC 921
Qy 721 CTGTGGGGGGCTCTGTCTATCAGCCCTGTGATCATCACTGCTGCACACTGTGTTAT 780
Db 922 CTGTGGGGGGCTCTGTCTATCAGCCCTGTGATCATCACTGCTGCACACTGTGTTAT 981
Qy 781 GACTTGTATCTCCCAAGTATGGAACCATCCAGGTGGGTCTAGTTTCCCTGTGGAAT 840
Db 982 GACTTGTATCTCCCAAGTATGGAACCATCCAGGTGGGTCTAGTTTCCCTGTGGAAT 1041
Qy 841 CCAGCCCAATCCACTTGTGGAGAGATTTGTACACAGCAAGTACAGCCAAAGAGG 900
Db 1042 CCAGCCCAATCCACTTGTGGAGAGATTTGTACACAGCAAGTACAGCCAAAGAGG 1101
Qy 901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCCACTCACGTTCAATGAATGATC 960
Db 1102 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCCACTCACGTTCAATGAATGATC 1161
Qy 961 CAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGATGTGCTGGAG 1020
Db 1162 CAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGATGTGCTGGAG 1221
Qy 1021 TCAGGATGGGGGCCACAGAGATGG--AGGTGAGCCTCCCTGCTCTGAACACGCG 1077
Db 1222 TCAGGATGGGGGCCACAGAGATGGAGCAGGTGACGCTCCCTGCTCTGAACACGCG 1281
Qy 1078 GCGTCCCTTTGATTTCCAAAGATCTGCAACACACAGGAGCGTGTACGGTGGCATCATC 1137
Db 1282 GCGTCCCTTTGATTTCCAAAGATCTGCAACACACAGGAGCGTGTACGGTGGCATCATC 1341

RESULT 4

US-09-949-016-5211
; Sequence 5211, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5211
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5211

Query Match 98.9%; Score 1347.4; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1361; Conservative 0; Mismatches 1; Indels 3; Gaps 1;

Qy 1 ATGGGGGAAAAATGATCCGCTGCTGTGTAAGCCCCCTTCTCATTCGATCGCTTTTGGC 60
Db 202 ATGGGGGAAAAATGATCCGCTGCTGTGTAAGCCCCCTTCTCATTCGATCGCTTTTGGC 261
Qy 61 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 120
Db 262 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 321
Qy 121 CTGTCACTGCTGCCATTTGAAGTTTTCCAATCATCTGATTTGGGATCATTTGATTTGATA 180
Db 322 CTGTCACTGCTGCCATTTGAAGTTTTCCAATCATCTGATTTGGGATCATTTGATTTGATA 381
Qy 181 TTAGCATGCGCATTTGGTCTGGGCAATCCATCTCGACTGCTCAGGGAAGTACAGATGTCG 240
Db 382 TTAGCATGCGCATTTGGTCTGGGCAATCCATCTCGACTGCTCAGGGAAGTACAGATGTCG 441
Qy 241 TCATCCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
Db 442 TCATCCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 501
Qy 301 GGGGAGGACAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 360
Db 502 GGGGAGGACAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 561
Qy 361 ACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACGCAAAATGTT 420

562 ACAGCTGCTCGTGGGAAGCAACATGTGCTCCGATGACTGGAAAGGCTCACTACGCAAAATGTT 621
QY
421 GCCTGTGCCCACTCGGGTTTCCAAAGCTATGTGAGTTTCAGATAACCTCAGAGTGAGCTCG 480
DB
622 GCCTGTGCCCACTCGGGTTTCCAAAGCTATGTGAGTTTCAGATAACCTCAGAGTGAGCTCG 681
QY
481 CTGGAGGGGAGGTTCCGGGAGGAGTTTGTGTCATCGATCAACCTCTTGGCAGATGACAAG 540
DB
682 CTGGAGGGGAGGTTCCGGGAGGAGTTTGTGTCATCGATCAACCTCTTGGCAGATGACAAG 741
QY
541 GTGACTGCAATTACACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACAGTGGTT 600
DB
742 GTGACTGCAATTACACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACAGTGGTT 801
QY
601 ACCTTCAGTGACAGCCTGTGTCTATAGAGGGGCTACAGCTCAGCGATCGTGGGTGA 660
DB
802 ACCTTCAGTGACAGCCTGTGTCTATAGAGGGGCTACAGCTCAGCGATCGTGGGTGA 861
QY
661 AACATGTCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCCAGGGCTACCAAC 720
DB
862 AACATGTCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCCAGGGCTACCAAC 921
QY
721 CTGTGGGGGGCTCTGTCTATACGCCCCCTGTGTGATCATCATCTGCTGACACTGTGTTTAT 780
DB
922 CTGTGGGGGGCTCTGTCTATACGCCCCCTGTGTGATCATCATCTGCTGACACTGTGTTTAT 981
QY
781 GACTTGTACTCTCCCAAGTCATGACCATCCAGTGGGTCTAGTTTCCCTTGTGGACAAT 840
DB
982 GACTTGTACTCTCCCAAGTCATGACCATCCAGTGGGTCTAGTTTCCCTTGTGGACAAT 1041
QY
841 CAGCCCCATCCCACTTGTGGGAGAGATTGTCTACCAAGCAAGTACAAAGCCAAAGAGG 900
DB
1042 CAGCCCCATCCCACTTGTGGGAGAGATTGTCTACCAAGCAAGTACAAAGCCAAAGAGG 1101
QY
901 CTGGCAATGACATCGCCTTATGAAGCTGGCCGGGCCACTCACTGTTCAATGAATGATC 960
DB
1102 CTGGCAATGACATCGCCTTATGAAGCTGGCCGGGCCACTCACTGTTCAATGAATGATC 1161
QY
961 CAGCCTGTGTGCTGCCCACTCTGAAGAACTTCCCGATGGAAGGTGCTGGAG 1020
DB
1162 CAGCCTGTGTGCTGCCCACTCTGAAGAACTTCCCGATGGAAGGTGCTGGAG 1221
QY
1021 TCAGGATGGGGGCGCACAGAGGATGG---AGGTGAGCCTTCCCTGTCTTGAACCAACGCG 1077
DB
1222 TCAGGATGGGGGCGCACAGAGATGGAGCAGGTGAGCGCTTCCCTGTCTTGAACCAACGCG 1281
QY
1078 GCGGTCCCTTTGATTTTCCAAAGATCTGCAACCAAGGACGTTGTAAGGTGGCATCATC 1137
DB
1282 GCGGTCCCTTTGATTTTCCAAAGATCTGCAACCAAGGACGTTGTAAGGTGGCATCATC 1341
QY
1138 TCCCTCTCCATGCTGTGCGGGGTACTGACCGGGTGGCGTGGACAGCTGCCAGGGGAC 1197
DB
1342 TCCCTCTCCATGCTGTGCGGGGTACTGACCGGGTGGCGTGGACAGCTGCCAGGGGAC 1401
QY
1198 AGCGGGGGCCCTGTGTCTGAAGAGAGAGGCTGTGGAAGTTAGTGGAGAGCGACCGC 1257
DB
1402 AGCGGGGGGGCCCTGTGTCTGAAGAGAGAGGCTGTGGAAGTTAGTGGAGAGCGACCGC 1461
QY
1258 TTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACCCGTGTCACTCTTTC 1317
DB
1462 TTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACCCGTGTCACTCTTTC 1521
QY
1318 CTGGACTGGATCCACGAGCAGATGGAGAGACCTTAAACCTGA 1362
DB
1522 CTGGACTGGATCCACGAGCAGATGGAGAGACCTTAAACCTGA 1566

RESULT 5
US-09-949-016-5212
; Sequence 5212, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5212
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5212

Query Match 98.9%; Score 1347.4; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1361; Conservative 0; Mismatches 1; Indels 3; Gaps 1;
QY 1 ATGGGGGAAAAATGATCCGCTCTGTTGAAGCCCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 202 ATGGGGGAAAAATGATCCGCTCTGTTGAAGCCCCCTTCTCATTCGGATCGCTTTTGGC 261
QY 61 CTTGATGATTTCAATAATAGTCTCTTGCACAGATGCAGATGCTGTTGCTGCACAGATC 120
DB 262 CTTGATGATTTCAATAATAGTCTCTTGCACAGATGCAGATGCTGTTGCTGCACAGATC 321
QY 121 CTGTCACTCTGCTCCATTGAAGTTTTTCCAAATCATCGTCAATGGGATCAATTCATTTGATA 180
DB 322 CTGTCACTCTGCTCCATTGAAGTTTTTCCAAATCATCGTCAATGGGATCAATTCATTTGATA 381
QY 181 TTAGCACTGGCCATTGGTCTGGGCAATCCATTCTGCACTGCTCAGGGAAGTACAGATGTCG 240
DB 382 TTAGCACTGGCCATTGGTCTGGGCAATCCATTCTGCACTGCTCAGGGAAGTACAGATGTCG 441
QY 241 TCATCCCTTTAAGTGTATCGAGCTGATAGTCCGATGACGAGTCTCGGATTCGAAAGAC 300
DB 442 TCATCCCTTTAAGTGTATCGAGCTGATAGTCCGATGACGAGTCTCGGATTCGAAAGAC 501
QY 301 GGGGAGGACGAGTACCGCTGTGTCCGGTGGGTGGTCCAGAAATCCGCTGCCAGGTGTTTC 360
DB 502 GGGGAGGACGAGTACCGCTGTGTCCGGTGGGTGGTCCAGAAATCCGCTGCCAGGTGTTTC 561
QY 361 ACAGCTGCTTCTGTGGAAGACCATGTGCTCCGATGACTGGAAGGCTCACTACGCAAAATGTT 420
DB 562 ACAGCTGCTTCTGTGGAAGACCATGTGCTCCGATGACTGGAAGGCTCACTACGCAAAATGTT 621
QY 421 GCCTGTGCCCACTGGGTTTCCCAAGCTATGTAGTTTCAGATAACCTCAGAGTGAGCTCG 480
DB 622 GCCTGTGCCCACTGGGTTTCCCAAGCTATGTAGTTTCAGATAACCTCAGAGTGAGCTCG 681
QY 481 CTGGAGGGGAGGTTCCGGGAGGAGTTTGTGTCATCGATCAACCTCTTGGCAGATGACAAG 540
DB 682 CTGGAGGGGAGGTTCCGGGAGGAGTTTGTGTCATCGATCAACCTCTTGGCAGATGACAAG 741
QY 541 GTGACTGCAATTACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACAGTGGTT 600
DB 742 GTGACTGCAATTACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACAGTGGTT 801
QY 601 ACCTTCAGTGACAGCCTGTGTCTATAGAGGGGCTACAGCTCAGCGATCGTGGGTGA 660
DB 802 ACCTTCAGTGACAGCCTGTGTCTATAGAGGGGCTACAGCTCAGCGATCGTGGGTGA 861
QY 661 AACATGTCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCCAGGGCTACCAAC 720
DB 862 AACATGTCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCCAGGGCTACCAAC 921
QY 721 CTGTGGGGGGCTCTGTCTATCAGCCCCCTGTGTGATCATCATCTGCTGACACTGTGTTTAT 780

Db 922 CTGTGGGGGGCTCTGTCTATCATACGCCCTGTGTGATCATCACTGCTGCACACTGTGTTAT 981
QY 781 GACTTGTACCTCCCAAGTCTATGGACCATTCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 840
Db 982 GACTTGTACCTCCCAAGTCTATGGACCATTCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 1041
QY 841 CCAGGCCCATCCACTTGGTGGAGAAGATTGTTACCAAGAGTCAAGCAAGTCAAGCAAGAGG 900
Db 1042 CCAGGCCCATCCACTTGGTGGAGAAGATTGTTACCAAGAGTCAAGCAAGTCAAGCAAGAGG 1101
QY 901 CTGGCAATAGCATGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATGATC 960
Db 1102 CTGGCAATAGCATGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATGATC 1161
QY 961 CAGCCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGGAGC 1020
Db 1162 CAGCCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGGAGC 1221
QY 1021 TCAGGATGGGGGCCACAGAGGATGG--AGGTGACGCTCCCTGTCTCTGAACCAACGCG 1077
Db 1222 TCAGGATGGGGGCCACAGAGGATGGAGCAGTGTGAGCTCCCTCTCTGNAACCAACGCG 1281
QY 1078 GCGCTCCCTTGAATTTCCAAAGATCTGCAACCAAGAGAGTGTACGTTGGCATATC 1137
Db 1282 GCGTCCCTTGAATTTCCAAAGATCTGCAACCAAGAGAGTGTACGTTGGCATATC 1341
QY 1138 TCCCTCTCATCTCTGCGGGGCTACCTGACGGTGGGTGGACAGCTGCCAGGGGAC 1197
Db 1342 TCCCTCTCATCTCTGCGGGGCTACCTGACGGTGGGTGGACAGCTGCCAGGGGAC 1401
QY 1198 AGCGGGGGGCCCTCGTGTCTCAAGAGAGAGGCTGTGGAAGTTAGTGGAGCGACCAAGC 1257
Db 1402 AGCGGGGGGCCCTCGTGTCTCAAGAGAGAGGCTGTGGAAGTTAGTGGAGCGACCAAGC 1461
QY 1258 TTTGGCATCGGTGGCGAGAGTGAACAGCCTGGGGTGTACACCCGTGTCTACCTCTTC 1317
Db 1462 TTTGGCATCGGTGGCGAGAGTGAACAGCCTGGGGTGTACACCCGTGTCTACCTCTTC 1521
QY 1318 CTGAGCTGATCCAGCAGAGATGGAGAGACCTTAAACCTGA 1362
Db 1522 CTGAGCTGATCCAGCAGAGATGGAGAGACCTTAAACCTGA 1566

RESULT 6

US-09-518-046-1

; Sequence 1, Application US/09518046

; Patent No. 6294663

; GENERAL INFORMATION:

; APPLICANT: O'Brien, Timothy J.

; APPLICANT: Underwood, Lowell J.

; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed

; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof

; FILE REFERENCE: D6192CIP

; CURRENT APPLICATION NUMBER: US/09/518,046

; CURRENT FILING DATE: 2000-03-02

; EARLIER APPLICATION NUMBER: 09/261,416

; EARLIER FILING DATE: 1999-03-03

; NUMBER OF SEQ ID NOS: 153

; SEQ ID NO 1

; LENGTH: 2413

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene

US-09-518-046-1

Query Match

Best Local Similarity 97.6%; Score 1329.4; DB 3; Length 2413;

Matches 1356; Conservative 99.3%; Pred. No. 0;

2; Mismatches 6; Indels 3; Gaps 2;

QY 1 ATGGGGGAAATGATCCGCTGTGTTGAAGCCCTTCTCATTCGATCGCTTTTGGC 60

Db 144 ATGGGGGAAATGATCCGCTGTGTTGAAGCCCTTCTCATTCGATCGCTTTTGGC 203
QY 61 CTTCATGATTTGAAAAATAAGTCTGTGTCACACAGATGAGATGCTGTGTCGACAGATC 120
Db 204 CTTCATGATTTGAAAAATAAGTCTGTGTCACACAGATGAGATGCTGTGTCGACAGATC 263
QY 121 CTGTCACTGTGCTGCAATT--GAAAGTTTTTCCAATCATCGTCAATT--GGGATCATTTGCAATTG 177
Db 264 CTGTCACTGTGCTGCAATTGAAAGTTTTTCCAATCATCGTCAATTGCGGATCATTTGCAATTG 323
QY 178 ATATTAGCACTGGGCATTTGGTCTGGGCATCCATTTTCCGATCTCTCAGGAAAGTACAGATGT 237
Db 324 ATATTAGCACTGGGCATTTGGTCTGGGCATCCATTTTCCGATCTCTCAGGAAAGTACAGATGT 383
QY 238 CGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTCGATGACGGAGTCTCGGATTTGCAAA 297
Db 384 CGCTCATCTTTAAGTGTATCGAGCTGATACTCGATGTGACGGAGTCTCGGATTTGCAAA 443
QY 298 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGCTCAGAAATGCCGTGCTCCAGGTG 357
Db 444 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGCTCAGAAATGCCGTGCTCCAGGTG 503
QY 358 TTCAAGCTGTCTCGTGGAAACCATGTGCTCCGATGACTGGAAGGTCATACGCAAAAT 417
Db 504 TTCAAGCTGTCTCGTGGAAACCATGTGCTCCGATGACTGGAAGGTCATACGCAAAAT 563
QY 418 GTTGCCTGTGCCCCAACCTGGGTTCCTCAAGCTATGTGAGTTTCCAGATACTCAGAGTGAGC 477
Db 564 GTTGCCTGTGCCCCAACCTGGGTTCCTCAAGCTATGTGAGTTTCCAGATACTCAGAGTGAGC 623
QY 478 TCGCTGGAGGGGAGTTCGGGAGGAGTTTGTGTCTCATCGATCGATCTTTCAGATGAC 537
Db 624 TCGCTGGAGGGGAGTTCGGGAGGAGTTTGTGTCTCATCGATCGATCTTTCAGATGAC 683
QY 538 AAGTGTACTGCATATACCACTACATGATATGTGAGGAGGAGTGTGCTCTGCGCCACGTG 597
Db 684 AAGTGTACTGCATATACCACTACATGATATGTGAGGAGGAGTGTGCTCTGCGCCACGTG 743
QY 598 GTTACTTTGACGTGCACAGCTGTGTCATAGAGGGGCTACAGCTCAGCATCGTGGGT 657
Db 744 GTTACTTTGACGTGCACAGCTGTGTCATAGAGGGGCTACAGCTCAGCATCGTGGGT 803
QY 658 GGAACATGTCTTGTCTCTCGCAGTGGCCCTGGCAGGCGCAGCTTCAGTTTCCAGGGCTAC 717
Db 804 GGAACATGTCTTGTCTCTCGCAGTGGCCCTGGCAGGCGCAGCTTCAGTTTCCAGGGCTAC 863
QY 718 CACCTGTGCGGGGCTCTGTCTATCAGCCCTCTGTGGATCATCATCTGTGTCACACTGTGTT 777
Db 864 CACCTGTGCGGGGCTCTGTCTATCAGCCCTCTGTGGATCATCATCTGTGTCACACTGTGTT 923
QY 778 TATGACTTGTACCTCCCAAGTCTATGGACCATCCAGTGGGTCTAGTTTCCCTGTTGGAC 837
Db 924 TATGACTTGTACCTCCCAAGTCTATGGACCATCCAGTGGGTCTAGTTTCCCTGTTGGAC 983
QY 838 AATCAGGCCCATCCCACTTGGTGGAGAAGATTGTCTACCAAGCAAGTACAAAGCAAG 897
Db 984 AATCAGGCCCATCCCACTTGGTGGAGAAGATTGTCTACCAAGCAAGTACAAAGCAAG 1043
QY 898 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCAGCTTCAATGAATG 957
Db 1044 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCAGCTTCAATGAATG 1103
QY 958 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGG 1017
Db 1104 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGG 1163
QY 1018 AGCTCAGGATGGGGGCCACAGAGGATGAGGTGACGCTTCCCTGTCTCTGAAACCAACGCG 1077
Db 1164 AGCTCAGGATGGGGGCCACAGAGGATGAGGTGACGCTTCCCTGTCTCTGAAACCAACGCG 1223
QY 1078 GCGCTCCCTTTGATTTTCAAAAGATCTGCAACCAAGAGAGTGTACGTTGGCATCATC 1137
Db 1224 GCGCTCCCTTTGATTTTCAAAAGATCTGCAACCAAGAGAGTGTACGTTGGCATCATC 1283

1138 TCCCTCCATGCTCTCGCGGGCTACCTGACGCGGTGGGTGACAGAGTGCACAGTGCACAGGGGAC 1197
1284 TCCCTCCATGCTCTCGCGGGCTACCTGACGCGGTGGGTGACAGAGTGCACAGGGGAC 1343
1198 AGCGGGGGCCCTCGTGTGTCAGAGAGAGAGTGTGGAAGTTAGTGGAGGACAGC 1257
1344 AGCGGGGGCCCTCGTGTGTCAGAGAGAGAGTGTGGAAGTTAGTGGAGGACAGC 1403
1258 TTTGGCATCGGCTGCCAGAGGTGAACAAGCCCTGGGGTGTACACCGTGTCACTCCTTC 1317
1404 TTTGGCATCGGCTGCCAGAGGTGAACAAGCCCTGGGGTGTACACCGTGTCACTCCTTC 1463
1318 CTGACTGGATCCACAGAGAGATGGAGAGAGCTTAAACCTGA 1362
1464 CTGACTGGATCCACAGAGAGATGGAGAGAGCTTAAACCTGA 1508

RESULT 7
US-09-650-371-1
; Sequence 1, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-650-371-1

Query Match 97.6%; Score 1329.4; DB 3; Length 2413;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 3; Gaps 2;

1 ATCGGGGAAATGATCGCTGCTGTGTAAGAGCCCTTCTCATTCGATCGCTTTTGGC 60
144 ATCGGGGAAATGATCGCTGCTGTGTAAGAGCCCTTCTCATTCGATCGCTTTTGGC 203
61 CTTGATGATTTGAAATAAGTCTGTTGACACAGATGCAGATGCTGTTGTCACAGATC 120
204 CTTGATGATTTGAAATAAGTCTGTTGACACAGATGCAGATGCTGTTGTCACAGATC 263
121 CTGTCACTGCTGCCATT - GAGATTTTTCATCATCGTCAIT - GGGATCAITGCAATG 177
264 CTGTCACTGCTGCCATTGAAATTTTTCATCATCGTCAITGTTGGATCATGCAATG 323
178 ATATTAGCACTGGCCATTGTTCTGGGATCCACTTCGACTGCTCAGGAAAGTACAGATG 237
324 ATATTAGCACTGGCCATTGTTCTGGGATCCACTTCGACTGCTCAGGAAAGTACAGATG 383
238 CGCTCATCTTTAAGTGTATCGAGCTGATAGCTGATGTCACGAGTCTCGGATTCGAAA 297
384 CGCTCATCTTTAAGTGTATCGAGCTGATAACTCGATGTCAGGAGTCTCGGATTCGAAA 443
298 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCGTCTCCAGGTG 357
444 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCGTCTCCAGGTG 503
358 TTCACAGCTGCTTCGTGGAGAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAT 417
504 TTCACAGCTGCTTCGTGGAGAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAT 563

QY 418 GTTGCTGTGCCCAACTGGTTTCCCAAGCTATGTAGTTTCCAGATAAAGCTCAGAGTGAGC 477
DB 564 GTTGCTGTGCCCAACTGGTTTCCCAAGCTATGTAGTTTCCAGATAAAGCTCAGAGTGAGC 623
QY 478 TCGCTGGAGGGGAGTTCCGGAGGAGTTTGTCCATCGATCACTCTTGGCAGATGAC 537
DB 624 TCGCTGGAGGGGAGTTCCGGAGGAGTTTGTCCATCGATCACTCTTGGCAGATGAC 683
QY 538 AAGGTGACTGCAATTACACCACTCAGTATATGTAGGAGGGGATGTCCCTCTGGCCACAGTG 597
DB 684 AAGGTGACTGCAATTACACCACTCAGTATATGTAGGAGGGGATGTCCCTCTGGCCACAGTG 743
QY 598 GTTACCTTGACGTGACAGCTGTGTGTCATAGAAGGGGCTACAGCTCAGCATGCTGGGT 657
DB 744 GTTACCTTGACGTGACAGCTGTGTGTCATAGAAGGGGCTACAGCTCAGCATGCTGGGT 803
QY 658 GGAACATGCTCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCTTCAGTTCCAGGGCTAC 717
DB 804 GGAACATGCTCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCTTCAGTTCCAGGGCTAC 863
QY 718 CACCTGTGGGGGGCTCTGTCTCATCGCCCTGTGTGATCATCACTGCTGCACACTGTGT 777
DB 864 CACCTGTGGGGGGCTCTGTCTCATCGCCCTGTGTGATCATCACTGCTGCACACTGTGT 923
QY 778 TATGACTTGTACTCTCCCAAGTCAAGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGAC 837
DB 924 TATGACTTGTACTCTCCCAAGTCAAGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGAC 983
QY 838 AATCCAGCCCATCCCACTTTGGTGGAGAGATGTCTACACAGAAAGTACAGCCAAAG 897
DB 984 AATCCAGCCCATCCCACTTTGGTGGAGAGATGTCTACACAGAAAGTACAGCCAAAG 1043
QY 898 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACGTTTCAATGAAATG 957
DB 1044 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACGTTTCAATGAAATG 1103
QY 958 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAGTGTGCTGG 1017
DB 1104 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAGTGTGCTGG 1163
QY 1018 AGCTCAGATGGGGGGCCACAGAGATGGAGTGGAGTCCCTCCCTGCTCTGAAACCAAGC 1077
DB 1164 AGCTCAGATGGGGGGCCACAGAGATGGAGTGGAGTCCCTCCCTGCTCTGAAACCAAGC 1223
QY 1078 GCGTCCCTTTCATTTCCCAAGATCTCAACACAGAGAGTGTACGTTGGCATCATC 1137
DB 1224 GCGTCCCTTTCATTTCCCAAGATCTCAACACAGAGAGTGTACGTTGGCATCATC 1283
QY 1138 TCCCTCCATGCTCTGCGGGCTACCTGACGCGGTGGGTGGAGTGCACAGTGCACAGGGGAC 1197
DB 1284 TCCCTCCATGCTCTGCGGGCTACCTGACGCGGTGGGTGGAGTGCACAGTGCACAGGGGAC 1343
QY 1198 AGCGGGGGCCCTCGTGTGTCAGAGAGAGGCTGTGGAAGTTAGTGGAGGAGCAGC 1257
DB 1344 AGCGGGGGCCCTCGTGTGTCAGAGAGAGGCTGTGGAAGTTAGTGGAGGAGCAGC 1403
QY 1258 TTTGGCATCGGCTGCCAGAGGTGAACAAGCCCTGGGGTGTACACCGTGTCACTCCTTC 1317
DB 1404 TTTGGCATCGGCTGCCAGAGGTGAACAAGCCCTGGGGTGTACACCGTGTCACTCCTTC 1463
QY 1318 CTGACTGGATCCACAGAGAGATGGAGAGAGCTTAAACCTGA 1362
DB 1464 CTGACTGGATCCACAGAGAGATGGAGAGAGCTTAAACCTGA 1508

RESULT 8
US-09-261-416-1
; Sequence 1, Application US/09261416A
; Patent No. 6291663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.

; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
; FILE OF INVENTION: Overexpressed in Ovarian Carcinoma
; FILE REFERENCE: D6192
; CURRENT APPLICATION NUMBER: US/09/261,416A
; CURRENT FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 1
; LENGTH: 2416
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: 144..1511
; OTHER INFORMATION: CDS
US-09-261-416-1

Query Match 95.7%; Score 1303.2; DB 3; Length 2416;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 1354; Conservative 0; Mismatches 8; Indels 6; Gaps 4;
QY 1 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 144 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 203
QY 61 CTTGATGATTTGAAATAAGTCTCTGTCACACAGATGCATGCTGTGTCGCACAGATC 120
DB 204 CTTGATGATTTGAAATAAGTCTCTGTCACACAGATGCATGCTGTGTCGCACAGATC 263
QY 121 CTGTCACTGCTGCCATT--GAAGTTTTTCCAAATCATCGTCATT--GGATCAATTCGATTG 177
DB 264 CTGTCACTGCTGCCATTGAAAGTTTTTCCAAATCATCGTCATTGGGGATCATTCGATTG 323
QY 178 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAACTACAGATGT 237
DB 324 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAACTACAGATGT 383
QY 238 CGCTCATCTTTAAGTGTATCAGAGCTGATAGCTCGATGTGACGAGTCTCGGATTCGAAA 297
DB 384 CGCTCATCTTTAAGTGTATCAGAGCTGATAGCTCGATGTGACGAGTCTCGGATTCGAAA 443
QY 298 GACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGAGTGCAGATGCCGTGCTCCAGTGT 357
DB 444 GACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGAGTGCAGATGCCGTGCTCCAGTGT 503
QY 358 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACCAAT 417
DB 504 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACCAAT 563
QY 418 GTTGCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTCAGATAAACCCTCAGAGTGAGC 477
DB 564 GTTGCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTCAGATAAACCCTCAGAGTGAGC 623
QY 478 TCGCTGGAGGGCAGTTCGGGAGAGTTTGTCCATCGATCACTCTTGGCAGATGAC 537
DB 624 TCGCTGGAGGGCAGTTCGGGAGAGTTTGTCCATCGATCACTCTTGGCAGATGAC 683
QY 538 AAGGTGACTGCAATACACACTCAGTATATGTGAGGAGGATGTCCTCTGGCCACGTG 597
DB 684 AAGGTGACTGCAATACACACTCAGTATATGTGAGGAGGATGTCCTCTGGCCACGTG 743
QY 598 GTTACTTCAGTGCACACCTGTGTGTCATAGAAGGGGCTACAGCTCAGCATCTGTGGGT 657
DB 744 GTTACTTCAGTGCACACCTGTGTGTCATAGAAGGGGCTACAGCTCAGCATCTGTGGGT 803
QY 658 GGAACATGCTCTGCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCAGGGCTAC 717
DB 804 GGAACATGCTCTGCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCAGGGCTAC 863
QY 718 CACTGTGCGGGGCTCTGTCAATCAGCCCTGTGGATCATCACTGCTGCACTGTGTT 777
DB 864 CACTGTGCGGGGCTCTGTCAATCAGCCCTGTGGATCATCACTGCTGCACTGTGTT 923
QY 778 TATGACTTCTACTCTCCCAAGTCATGGACCATCCAGTGGGTCTAGTTTCCCTGTGGAC 837

DB 924 TATGACTTGTACTCTCCCAAGTCAATGACCATCAGGTGGGTCTAGTTTCCCTGTGGAC 983
QY 838 AATCCAGCCCATCCCACTTGGTGGAGAAGATTCTTACACACAGCAAGTCAAGCCAAAG 897
DB 984 AATCCAGCCCATCCCACTTGGTGGAGAAGATTCTTACACACAGCAAGTCAAGCCAAAG 1043
QY 898 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGCCCGGCCACTCAGCTTCAATGAAATG 957
DB 1044 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGCCCGGCCACTCAGCTTCAATGAAATG 1103
QY 958 ATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGATGTGCTGG 1017
DB 1104 ATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGATGTGCTGG 1163
QY 1018 ACGTTCAGATGGGGGCCACAGAGATGGAGTGCAGCTCCCTGTCTCTGAACACACGCG 1077
DB 1164 ACGTTCAGATGGGGGCCACAGAGATGGAGTGCAGCTCCCTGTCTCTGAACACACGCG 1223
QY 1078 GCCGTCCCTTTGATTTTCCAACTGCAACACAGAGGACGTGTACGGTGGCATCAT 1136
DB 1224 GCCGTCCCTTTGATTTTCCAACTGCAACACAGAGGACGTGTACGGTGGCATCAT 1283
QY 1137 CTCCCTTCATGCTGTGCGGGCTACCTGACCGGTGGCT--GGACAGCTGCCAGGG 1194
DB 1284 CTCCCTTCATGCTGTGCGGGCTACCTGACCGGTGGCT--GGACAGCTGCCAGGG 1343
QY 1195 GACAGCGGGGGCCCTGTGTGTCAGAGAGGAGGTGTGGAAGTTAGTGGAGCGAC 1254
DB 1344 GACAGCGGGGGCCCTGTGTGTCAGAGAGGAGGTGTGGAAGTTAGTGGAGCGAC 1403
QY 1255 AGCTTTGGCATCGGCTGCGCAGAGGTGAACAAAGCTTGGGGTGTACACCCGTGTCACTCC 1314
DB 1404 AGCTTTGGCATCGGCTGCGCAGAGGTGAACAAAGCTTGGGGTGTACACCCGTGTCACTCC 1463
QY 1315 TTCTGGACTGGATCCAGCAGCAGATGAGAGACCTTAAACCTGA 1362
DB 1464 TTCTGGACTGGATCCAGCAGCAGATGAGAGACCTTAAACCTGA 1511

RESULT 9

US-09-518-046-3
; Sequence 3, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-518-046-3

Query Match 87.3%; Score 1188.4; DB 3; Length 2544;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 134; Gaps 3;
QY 1 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 144 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 203
QY 61 CTTGATGATTTGAAATAAGTCTGTCACACAGATGAGATGCTGTGCTGTCACAGATC 120

204 CTTGATGATTGAAATAAAGTCTCTGTGACACAGATGCAGATGCTGTGTCGCACAGATC 263
QY |||||
121 CTGTCACTGCTGCCATT--GAAGTTTTTTTCCATCATCGTCATT--GGGATCATTCGATTG 177
Db |||||
264 CTGTCACTGCTGCCATTGAAAGTTTTTTTCCCAATCATCGTCATTGGGGATCATTCGATTG 323
QY |||||
178 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTCGAGGAAGTACAGATGT 237
Db |||||
324 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTCGAGGAAGTACAGATGT 383
QY |||||
238 CGCTCATCTCTTAAGTGTATCGAGCTGATAGTGTGATGTCGAGGAGTCTCGAATTCGAAA 297
Db |||||
384 CGCTCATCTCTTAAGTGTATCGAGCTGATAACTCGATGTGACGAGTCTCGAATTCGAAA 443
QY |||||
298 GACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGTCAGATGTCAGATGTCGAGTGT 357
Db |||||
444 GACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGTCAGATGTCAGATGTCGAGTGT 503
QY |||||
358 TTCACAGCTGCTTCGTGGGAAGACATGTGTCTCCGATGACTGGGAAGGCTCACTACGCAAT 417
Db |||||
504 TTCACAGCTGCTTCGTGGGAAGACATGTGTCTCCGATGACTGGGAAGGCTCACTACGCAAT 563
QY |||||
418 GTTGCCTGTGCCCAACTGGGTTTTCCCAAGTATGTGAGTTTCAGATTAACCTTCAGATGAGC 477
Db |||||
564 GTTGCCTGTGCCCAACTGGGTTTTCCCAAGTATGTGAGTTTCAGATTAACCTTCAGATGAGC 623
QY |||||
478 TCGCTGGAGGGGAGTTCCGGGAGGAGTTGTGTCCATCGATCACTCTTTCGACATGAC 537
Db |||||
624 TCGCTGGAGGGGAGTTCCGGGAGGAGTTGTGTCCATCGATCACTCTTTCGACATGAC 683
QY |||||
538 AAGGTCACTGCATTACACCACTCAGTATATGTGAGGAGGAGTGTCCCTTCGGCCACGTG 597
Db |||||
684 AAGGTCACTGCATTACACCACTCAGTATATGTGAGGAGGAGTGTCCCTTCGGCCACGTG 743
QY |||||
598 GTTACCTTTCAGTGCACAGCTGTGTGTATGATGAGGAGGAGTGTACAGTTCAGCACTGTGT 657
Db |||||
744 GTTACCTTTCAGTGCACAGCTGTGTGTATGATGAGGAGGAGTGTACAGTTCAGCACTGTGT 803
QY |||||
658 GGAACATGTCTTGTCTCGCATGTGCTCGAGGAGGAGTGTGTCATCGATCACTCTTTCGACATG 717
Db |||||
804 GGAACATGTCTTGTCTCGCATGTGCTCGAGGAGGAGTGTGTCATCGATCACTCTTTCGACATG 863
QY |||||
718 CACTGTGCGGGGGCTGTGTATCAGCCCTGTGTGATCATCACTGTGTCGACACTGTGT 777
Db |||||
864 CACTGTGCGGGGGCTGTGTATCAGCCCTGTGTGATCATCACTGTGTCGACACTGTGT 923
QY |||||
778 TATGA----- 782
Db |||||
924 TATGAGATTGTAGTCTCTAGAGAAAGGGCAGACAGAGGAAGGAGTCTCTGTGTGTG 983
QY |||||
783 ----- 782
Db |||||
984 AGGAAACCCACAAAAATGAAAGGACCTAGACCTTCCCATAGCTTAATTCAGTGGACCATG 1043
QY |||||
783 -----CTGTGACTCTCCCAAGTTCATGGACCATTCAGTGGGCTAGTTT 826
Db |||||
1044 TTATGGCAGATACAGGCTTGTACTCTCCCAAGTTCATGGACCATTCAGTGGGCTAGTTT 1103
QY |||||
827 CCCTGTTGGACAATCCAGCCCTTCCACATTCGTTGGGAGAGATGTCTACACAGCAAGT 886
Db |||||
1104 CCCTGTTGGACAATCCAGCCCTTCCACATTCGTTGGGAGAGATGTCTACACAGCAAGT 1163
QY |||||
887 ACAAGCAAAAGAGGCTGGGAATGACATCGCCCTTATGAGCTGGCGGGCCACTCACGT 946
Db |||||
1164 ACAAGCAAAAGAGGCTGGGAATGACATCGCCCTTATGAGAGCTGGCGGGCCACTCACGT 1223
QY |||||
947 TCAATGAATGATCCAGCCCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1006
Db |||||
1224 TCAATGAATGATCCAGCCCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1283
QY |||||
1007 AAGTGTGCTGAGCTCAGGATGGGGGCCACAGAGGATGAGGATGAGGATGAGGATGAGGATGAGG 1066
Db |||||
1284 AAGTGTGCTGAGCTCAGGATGGGGGCCACAGAGGATGAGGATGAGGATGAGGATGAGGATGAGG 1343

1067 TGAACACGCGGCGCTCCCTTTGATTTCACAAAGATCTGCAACACACAGGAGCGTGTACG 1126
Db |||||
1344 TGAACACGCGGCGCTCCCTTTGATTTCACAAAGATCTGCAACACACAGGAGCGTGTACG 1403
QY |||||
1127 GTGGCATCATCTCCCTCCATCTGCTGCGGGCTTACCTGACGGGTGCGGTGGACAGCT 1186
Db |||||
1404 GTGGCATCATCTCCCTCCATCTGCTGCGGGCTTACCTGACGGGTGCGGTGGACAGCT 1463
QY |||||
1187 GCGAGGGGACAGCGGGGGCCCTGCTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGG 1246
Db |||||
1464 GCGAGGGGACAGCGGGGGCCCTGCTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGG 1523
QY |||||
1247 GAGCACACAGCTTTTGGCATTCGGCTGCGCAGAGGTGAAAGGCTTGGGGTGTACACCCGTG 1306
Db |||||
1524 GAGCACACAGCTTTTGGCATTCGGCTGCGCAGAGGTGAAAGGCTTGGGGTGTACACCCGTG 1583
QY |||||
1307 TCACCTCTCTCTGACCTGGATTCACGACAGATGAGAGACCTTAAACCTGA 1362
Db |||||
1584 TCACCTCTCTCTGACCTGGATTCACGACAGATGAGAGACCTTAAACCTGA 1639

RESULT 10

US-09-650-371-3
; Sequence 3, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-650-371-3

Query Match 87.3%; Score 1188.4; DB 3; Length 2544;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 134; Gaps 3;
QY 1 ATGGGGGAAATGATCCGCTGCTGTGAAAGCCCTCTTCATTCCGATCGCTTTTGGC 60
Db 144 ATGGGGGAAATGATCCGCTGCTGTGAAAGCCCTCTTCATTCCGATCGCTTTTGGC 203
QY 61 CTTGATGATTTGAAATAAAGTCCCTGTGCAACAGATGTCAGATGCTGTGCTGCACAGATC 120
Db 204 CTTGATGATTTGAAATAAAGTCCCTGTGCAACAGATGTCAGATGCTGTGCTGCACAGATC 263
QY 121 CTGTCACTGCTGCCATT--GAAGTTTTTCCAAATCATCGTCATT--GGATCATTCGATG 177
Db 264 CTGTCACTGCTGCCATTGGAAGTTTTTCCCAATCATCGTCATTGGGGATTCATTGCAATG 323
QY 178 ATATTAGCACTGGCCATTGCTGCGGCATCCACTTCGACTGCTCAGGAGATGACAGATGT 237
Db 324 ATATTAGCACTGGCCATTGCTGCGGCATCCACTTCGACTGCTCAGGAGATGACAGATGT 383
QY 238 CGCTCATCTCTTAAAGTGTATCGAGCTGATAGTGTGATGTCGAGTCTCGGATTCGAAA 297
Db 384 CGCTCATCTCTTAAAGTGTATCGAGCTGATTAATCGATGTGACGAGTCTCGGATTCGAAA 443
QY 298 GACGGGAGGACAGATGACCGCTGTGTCCGGGTGGGTGAGATGCGGCTGCTCCAGGTG 357
Db 444 GACGGGAGGACAGATGACCGCTGTGTCCGGGTGGGTGAGATGCGGCTGCTCCAGGTG 503

QY 358 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAT 417
Db 504 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAT 563
QY 418 GTTGCTGTGCCCAACTGGTTCCTCCAAAGCTATGTAGTTCAGATAAACCTCAGAGTGAGC 477
Db 564 GTTGCTGTGCCCAACTGGTTCCTCCAAAGCTATGTAGTTCAGATAAACCTCAGAGTGAGC 623
QY 478 TCCTGTGAGGGGAGTTCCTGGGAGAGTTGTGTCATCGATCACTCTTCCGAGATGAC 537
Db 624 TCCTGTGAGGGGAGTTCCTGGGAGAGTTGTGTCATCGATCACTCTTCCGAGATGAC 683
QY 538 AAGTGACTCATATACACACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGTG 597
Db 684 AAGTGACTCATATACACACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGTG 743
QY 598 GTTACCTTTGCAAGTGCACAGCTGTGCTCATAGAGGGGCTACAGCTCAGCATCGTGGGT 657
Db 744 GTTACCTTTGCAAGTGCACAGCTGTGCTCATAGAGGGGCTACAGCTCAGCATCGTGGGT 803
QY 658 GGAACATGTCTTGTCTCTCGCAGTGTGCTGCGCAGGCGGCTTCACTTCCAGGGCTAC 717
Db 804 GGAACATGTCTTGTCTCTCGCAGTGTGCTGCGCAGGCGGCTTCACTTCCAGGGCTAC 863
QY 718 CACCTGTGCGGGGCTCTGTATCATCAGCCCTGTGATCATCACTGTGACACCTGTGTT 777
Db 864 CACCTGTGCGGGGCTCTGTATCATCAGCCCTGTGATCATCACTGTGACACCTGTGTT 923
QY 778 TATGA----- 782
Db 924 TATGAGATTGATCTCTAGAGAAAGGCGACAGACAGAGGAAGAACTCCTGTGCTGG 983
QY 783 ----- 782
Db 984 AGGAACCCACAAAAATGAAGGACCTAGACCTTCCCATAGCTAATTCAGTGAGCAATG 1043
QY 783 -----CTGTACCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTT 826
Db 1044 TTATGGCAGATACAGGCTGTGACCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTT 1103
QY 827 CCCTGTGACAAATCAGCCCATCCACTTGTGTGGAAGATTGTACACACAGCAAGT 886
Db 1104 CCCTGTGACAAATCAGCCCATCCACTTGTGTGGAAGATTGTACACACAGCAAGT 1163
QY 887 ACAAGCCAAAGAGCTGGGCAATGATCGCCCTTATGAAGCTGCGCGGCCACTCACGT 946
Db 1164 ACAAGCCAAAGAGCTGGGCAATGATCGCCCTTATGAAGCTGCGCGGCCACTCACGT 1223
QY 947 TCAATGAATGATCCAGCTGTGCTGCGCCCAACTCTGAAGAGAACTTCCCGATGAA 1006
Db 1224 TCAATGAATGATCCAGCTGTGCTGCGCCCAACTCTGAAGAGAACTTCCCGATGAA 1283
QY 1007 AAGTGTGTGAGCTGAGATGGGGGCCACAGAGATGGAGTGCAGCGCTCCCTGTGCC 1066
Db 1284 AAGTGTGTGAGCTGAGATGGGGGCCACAGAGATGGAGTGCAGCGCTCCCTGTGCC 1343
QY 1067 TGAACCAAGCGGCGCTCCCTTTGATTTCACAAAGATCTGCAACACAGGAGCGTGTACG 1126
Db 1344 TGAACCAAGCGGCGCTCCCTTTGATTTCACAAAGATCTGCAACACAGGAGCGTGTACG 1403
QY 1127 GTGGCATCATCTCCCTCTCATCTGCGCGGGTACTCTGACGGGTGCGTGGACAGCT 1186
Db 1404 GTGGCATCATCTCCCTCTCATCTGCGCGGGTACTCTGACGGGTGCGTGGACAGCT 1463
QY 1187 GCCAGGGGACAGCGGGGGCCCTGTGTGTCAAGAGAGGAGTGTGGAAGTTAGTGG 1246
Db 1464 GCCAGGGGACAGCGGGGGCCCTGTGTGTCAAGAGAGGAGTGTGGAAGTTAGTGG 1523
QY 1247 GAGCGACCAAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTTGGGTGTACCCCGTG 1306
Db 1524 GAGCGACCAAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTTGGGTGTACCCCGTG 1583

QY 1307 TCACCTCTCTCTGGACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1362
Db 1584 TCACCTCTCTCTGGACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1639
RESULT 11
US-09-342-749-1
; Sequence 1, Application US/09342749
; Patent No. 6166194
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TPRS22 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/342,749
; CURRENT FILING DATE: 1999-06-29
; EARLIER APPLICATION NUMBER: US 60/091,044
; EARLIER FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1479
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1476)
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (724)
; OTHER INFORMATION: Listed as T in GenBank Accession No. U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (985)
; OTHER INFORMATION: Listed as C in GenBank Accession No. 6166194 U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (1347)
; OTHER INFORMATION: Listed as C in GenBank Accession No. 6166194 U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (1466)
; OTHER INFORMATION: Listed as A in GenBank Accession No. 6166194 U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (1471)
; OTHER INFORMATION: Listed as A in GenBank Accession No. 6166194 U75329.
; FEATURE:
; NAME/KEY: allele
; LOCATION: (478)
; OTHER INFORMATION: This base can be G or A with G being the more
; OTHER INFORMATION: common allele. The codon will change from Val to
; FEATURE:
; NAME/KEY: allele
; LOCATION: (777)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. The codon is unaffected with both
; FEATURE:
; NAME/KEY: allele
; LOCATION: (768)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. This is a silent polymorphism.
; FEATURE:
; NAME/KEY: allele
; LOCATION: (834)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. This is a silent polymorphism.
; FEATURE:
; NAME/KEY: allele

LOCATION: (625)
; OTHER INFORMATION: This base can be T or A with T being the more
; BEST LOCAL SIMILARITY 54.6%; Pred. No. 6.3e-52;
; OTHER INFORMATION: common allele. The codon will change from Phe to
; OTHER INFORMATION: Ile
US-09-342-749-1

Query Match 16.6%; Score 225.6; DB 3; Length 1479;
Best Local Similarity 54.6%; Pred. No. 6.3e-52;
Matches 619; Conservative 0; Mismatches 479; Indels 36; Gaps 7;
QY 235 TGTGCTCATCTCTTTAAGTGTATCGAGCTGATAGCTCGATGTCGACGAGTCTCGGATTCG 294
DB 358 TGGCACTCTCTCAGGTACCTGTCATCAACCCCTCTAACTGTGTGTGATGCGGTGCACACTGC 417
QY 295 AAGAGCGGGAGGACAGTACCGCTGTGTCGGGTGGTGTGTCAGATGCGGTGCTCCAG 354
DB 418 CCGGGGGGAGGACGAGATCGGTGTGTCGGCTCTACGGACCAACTTCATCTTCAG 477
QY 355 GTCTTTCACAGCTGCT-----TGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCAC 408
DB 478 GTGTACTCATCTCAGAGGAAGTCTTGGCACCCCTGTGTGCCAAGCACTGGAACGAGAAC 537
QY 409 TAGCGAAATGTTGCTGTGTCGCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTC 468
DB 538 TACGGCGGGCGGCTGTCAGGACATGGGCTATAAGAAATAATTTTACTCTAGCCAAGGA 537
QY 469 AGAGTGAGCTCGCTGGAGGGGAGTTCCGGGAGGAGTTGTGTCCATCGATCACTCTTG 528
DB 598 ATAGTG-GATGACAGCGGATCCACAGCTTTATGAAACTGAAACAGAGTCCCGGCAATGT 656
QY 529 CCAGATGACAAAGTGACTGATTTACACCACTCAGTATATGTGAGGGAGGATGTGCTCT 588
DB 657 CGATATCTATAAAACTGTACCAC-----AGTGATGCTGTCTTCA 699
QY 589 GGCACGCTGTTACCTTTCAGTGCAGCAGCTGTGTGTCATGAGAGGGGCTACAGCTCAC-- 646
DB 700 AAGACGAGTGGTCTTTTACGCTGTATAGCTGCGGGGTCAACTTGAACCTCAAGCCGCGAG 759
QY 647 -----GCATCGTGGTGGAAACATGTCTTGTCTCTCGCAGTGGCCCTGGCAGGCGACGCTT 702
DB 760 AGCAGGATCGTGGCGGCGAGAGCGGCTCCCGGGGCTTGGCCCTGGCAGGTCAGCTG 819
QY 703 CAGTTCAGGGCTACCACTGTGCGGGGCTGTGTATCATCAAGCCCTGTGTGATCATCACT 762
DB 820 CAGTTCAGAAAGCTGTCAGCTGTGCGGAGGCTCATCATCAACCCCGAGTGTGTCGACA 879
QY 763 GCTGCACTGTGTTTATGA--CTTGTACCTCCCAAGTCAATGA---CCATCAAGTGG 817
DB 880 GCGGCCACTGCTGGGAAACCTCTTTAAACAATCCATGTCATTTGGACGGCATTTGCGGG 939
QY 818 GTCTAGTTCCTGTTGGACAATCCA-GCCCCATCCCACTTGTGTGGAGAGATGTCATC 876
DB 940 ATTTTGAGACAATCTTTTATGTTCTATGAGCGCGATPACCAAGTAGAAGAAAGTATCTT 999
QY 877 CACAGCAAGTACAAAGCAAGAGCTGGGCAATGACATCCCTTATGAAGCTGGCGGG 936
DB 1000 CATCCAATATGACTCAAGACCAAGAAACAATGACATTTGGCTGTGATGAAGTGCAGAAG 1059
QY 937 CCACCTCACTGTTCAATGAATGATCCAGCTGTGTGCTGCTGCCCACTCTGAAGAGAACTTC 996
DB 1060 CCTCTGACTTTCAACGACCTAGTGNAAACCAAGTGTGTGCTGCCCAACCCAGGATGATGCTG 1119
QY 997 CCGGATGGAAGTGTCTGAGCTGAGGATGGGGGCGGACAGAGGATGAGGTGAGCC 1056
DB 1120 CAGCGAAACAGCTCTGCTGGATTTCCGGGTGGGGGCGGACCGAGGAGAAAGGAGAAC 1179
QY 1057 TCCCTGTCTGTAACCAAGCGGCGTCCCTTTGATTTTCAACAGATCTGCAACCAAGG 1116
DB 1180 TCAGAGTGTGTAACCGTGTCAAGGTGCTTCTATTGAGACACAGATGCAACAGAGA 1239
QY 1117 GAGGTGTACGGTGGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1176
DB 1240 TATGCTATGACAACCTGATCACACAGCCATGATCTGTGCGGCTTCTCTGCGGGGAGC 1299

QY 1177 GTGGACAGCTGCCAGGGGACAGCGGGGGCCCTCTGTGTGTGTCAAGAGAGGAGGCTGTGG 1236
DB 1300 GTCGATTTCTTCCAGGGTGCAGAGTGGAGGGCCCTCTGTCTCACTTCGAAGAACAATACTCG 1359
QY 1237 AAGTTAGTGGAGCGACGACGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTCGGGTGG 1296
DB 1360 TGGCTGATAGGGGATACAAGCTGGGGTCTGTGGCTGTGCCAAGCTTTACAGACCAGGAGTG 1419
QY 1297 TACACCCGCTGTCACCTCTCTTCTGAGTCCAGGACGATGAGGAGAGAGAC 1350
DB 1420 TACGGGAATGTGATGTTTACGAGTGTGATTTATCGACAATGAGGGCGAGAC 1473

RESULT 12

US-09-691-840-1
; Sequence 1, Application US/09691840
; Patent No. 644419
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-P.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/691,840
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 60/091,044
; PRIOR FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1479
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1476)
; NAME/KEY: conflict
; LOCATION: (724)
; OTHER INFORMATION: Listed as T in GenBank Accession No. U75329
; NAME/KEY: conflict
; LOCATION: (985)
; OTHER INFORMATION: Listed as C in GenBank Accession No. 644419 U75329
; NAME/KEY: conflict
; LOCATION: (1347)
; OTHER INFORMATION: Listed as C in GenBank Accession No. 644419 U75329
; NAME/KEY: conflict
; LOCATION: (1466)
; OTHER INFORMATION: Listed as A in GenBank Accession No. 644419 U75329
; NAME/KEY: conflict
; LOCATION: (1471)
; OTHER INFORMATION: Listed as A in GenBank Accession No. 644419 U75329.
; NAME/KEY: allele
; LOCATION: (478)
; OTHER INFORMATION: This base can be G or A with G being the more
; OTHER INFORMATION: common allele. The codon will change from Val to
; OTHER INFORMATION: Met.
; NAME/KEY: allele
; LOCATION: (777)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. The codon is unaffected with both
; OTHER INFORMATION: alleles encoding Gly.
; NAME/KEY: allele
; LOCATION: (768)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. This is a silent polymorphism.
; NAME/KEY: allele
; LOCATION: (834)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. This is a silent polymorphism.

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; NAME/KEY: allele
; LOCATION: (625)
; OTHER INFORMATION: This base can be T or A with T being the more
; OTHER INFORMATION: common allele. The codon will change from Phe to Ile
US-09-691-840-1

Query Match      16.6%; Score 225.6; DB 3; Length 1479;
Best Local Similarity 54.6%; Pred. No. 6.3e-52; Mismatches 479; Indels 36; Gaps 7;
Matches 619; Conservative 0;

QY 235 TGTGCTCATCTCTTTAAAGTGTATCGAGCTGATAGCTCGATGTGAGCGAGTCTTCGGATTGC 294
DB  |||||
QY 358 TCGGACTCTCAGGTACCTGTCATCAACCCCTTAAGTGTGATGGGTGTACACTGC 417
DB  |||||
QY 295 AAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGTCAGAAATGCCGTGTCCAG 354
DB  |||||
QY 418 CCGCGCGGGAGGACAGAAATCGGTGTGTTCGCTCTACGACCAAACTTTCATCTTCAG 477
DB  |||||
QY 355 GTGTTTCACAGCTGCT-----TCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTAC 408
DB  |||||
QY 478 GTGTACTATCTACAGAGGAAGTCTTGACCTGTGTGCCAAGACGACTGGACGAGAAC 537
DB  |||||
QY 409 TAGCGAAATGTGCTGTGCCCAACTGGGTTCCTCAAGCTATGTGAGTTTCAGATAACCTC 468
DB  |||||
QY 538 TACGGCGGGCGCTCGCAGGACATGGCTATAAGATAATTTTACTCTAGCCAAGGA 597
DB  |||||
QY 469 AGAGTGAGCTCGCTGAGGGGAGTTCCGGGAGAGATTGTGTCCATCGATCACTCTTG 528
DB  |||||
QY 598 ATAGTG-GATGACAGCGGATCCACAGCTTTATGAACCTGAAACAAAGTGCCTGGAATGT 656
DB  |||||
QY 529 CCAGATGACAAGGTGACTGCATTACCACTCAGTATATGTGAGGAGGAGTGCCTCT 588
DB  |||||
QY 657 CGATATCTATAAAAACTGTACC-----AGTGTGCTGTGTTCTTCA 699
DB  |||||
QY 589 GGCCAGCTGTACCTTTCAGTGCACAGCTGTGTGTCATAGAAGGGGCTTACAGCTCAC-- 646
DB  |||||
QY 700 AAAGCAGTGTGTTCTTTACGCTGTATAGCTTCGGGGTCAACTGAACTCAAGCCGCCAG 759
DB  |||||
QY 647 ----GCATCGTGGGTGGAACAATGTCCTTGTCTCGAGTGGCCCTTGGCAGGCCAGCTT 702
DB  |||||
QY 760 AGCAGGATCGTGGCGGGGAGAGCGCTCCCGGGGGCTGCGCTTGGCAGGTTCAGCCTG 819
DB  |||||
QY 703 CAGTTCACGGGTACACCTGTGCGGGGCTGTCTCATCACGCCCTGTGGATCATCACT 762
DB  |||||
QY 820 CAGTCCAGAACTCCTCATGTGTGCGGAGGCTCCATCATCCCCGAGTGGATCGTGACA 879
DB  |||||
QY 763 GCTGCACACTGTGTTTATGA--CTTGTACTCTCCCAAGTCATGGA--CCATCCAGGTGG 817
DB  |||||
QY 880 GCGGCCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCATTTGGACGGCATTTGCGGG 939
DB  |||||
QY 818 GTCTAGTTTCCCTGTGGACAATCCA-GCCCCATCCCACTTGGTGGAGAAAGATTGTCTAC 876
DB  |||||
QY 940 ATTTTGAGACAATCTTTCATGTTCTATGAGCGGATACCAAGTAGAAAAAGTGAATTTCT 999
DB  |||||
QY 877 CACAGCAAGTACAGCCAAAGAGGCTGGCAATGATCATGCCCTTATGAAGCTGGCCGG 936
DB  |||||
QY 1000 CATCCAAATTTAGCTCTCAGAACCAAGAAATGATCATTTGCGCTGATGAAGCTGCAGAA 1059
DB  |||||
QY 937 CCACCTCAGCTTCAATGAATGATCCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTC 996
DB  |||||
QY 1060 CTTCTGACTTTCAACGACCTAGTGAAACAGTGTGTCTGCCCAACCCAGGATGATGCTG 1119
DB  |||||
QY 997 CCGGATGGAAGAGTGTGTGAGAGTCAAGATGGGGGGCCACAGAGATGAGGTGACGCC 1056
DB  |||||
QY 1120 CAGCCAGAAACAGCTCTGTCTGGATTTCCGGGTGGGGGGCCACGAGAGAAAGGGAAGACC 1179
DB  |||||
QY 1057 TCCCTGTCTGAAACACCGGGCCGCTCTTTGATTTCCAAACAAGATCTGCAACCCACAG 1116
DB  |||||
QY 1180 TCAGAGTGTGAACGCTGCCAAGGTGCTTCTCATTTGACACACAGAGATGCAACAGCAGA 1239
DB  |||||
QY 1117 GACGTGTACGGTGGCATCATCTCCCTCATGCTCTGCGGGGCTTACCTGACGGGTGGC 1176
DB  |||||
QY 1240 TATGTCATGACAACTGATCACACCAGCCATGATCTGTGCGGGCTTCTTGCAGGGGAC 1299
DB  |||||
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QY 1177 GTGGACAGCTCCAGGGGACAGCGGGGGCCCTTGGTGTCTCAAGAGAGAGGCGTGTGG 1236
DB  |||||
QY 1300 GTCGATTTCCAGGGGTGACAGTGGAGGGCTCTGGTCACTTCGAAGACATAATCTGG 1359
DB  |||||
QY 1237 AAGTTAGTGGAGGACCAAGCTTTTGGCATCGGCTGCGCAGAGGTGAAACAAAGCCTGGGGTG 1296
DB  |||||
QY 1360 TGGCTGATAGGGGATACAAGCTGGGTTCTGGCTGTGCCAAAGCTTACAGACCAGAGTG 1419
DB  |||||
QY 1297 TACACCCCTGTCACTCTCTTCTGTGATTCACAGAGCAGATGGAGAGAGAC 1350
DB  |||||
QY 1420 TACGGGAATGTGATGATTACAGGACTGGATTATTCGACAAATGAGGGCAGAC 1473
DB  |||||

RESULT 13
US-09-949-016-5203
; Sequence 5203, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5203
; LENGTH: 2448
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5203

Query Match      16.5%; Score 225; DB 3; Length 2448;
Best Local Similarity 54.4%; Pred. No. 1.1e-51;
Matches 622; Conservative 0; Mismatches 485; Indels 36; Gaps 7;

QY 235 TGTGCTCATCTCTTTAAAGTGTATCGAGCTGATAGCTCGATGTGAGCGAGTCTTCGGATTGC 294
DB  |||||
QY 414 TCGGACTCTCAGGTACCTGTCATCAACCCCTTAAGTGTGATGGGTGTACACTGC 473
DB  |||||
QY 295 AAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGTCAGAAATGCCGTGTCCAG 354
DB  |||||
QY 474 CCGCGCGGGAGGACAGAAATCGGTGTGTTCGCTCTACGGACCAAACTTCATCTTCAG 533
DB  |||||
QY 355 GTGTTTCACAGCTGCT-----TCGTGGAAGACCATGTGCTCGATGACTGGAGGTCAC 408
DB  |||||
QY 534 GTGTACTCATCTCAGAGGAAGTCTTCGGCACCTGTGTGCCAAGACGACTGGAAACGAGAAC 593
DB  |||||
QY 409 TACGCAATGTGCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTC 468
DB  |||||
QY 594 TACGGCGGGCGGCTCGAGGACATGGGCTTATAAGAAATAATTTTACTCTAGCCAGGA 653
DB  |||||
QY 469 AGAGTGAGCTCGCTCGAGGGGAGTTTTCGGGAGGAGTGTGTGTCCATCGATCACTCTTG 528
DB  |||||
QY 654 ATAGTG-GATGACAGCGGATCCACAGCTTTATGAAACTGAACACAAGTCCGCAATGT 712
DB  |||||
QY 529 CCAGATGACAGGTGACTGTCATTACCACTCAGTATATGTGAGGAGGAGGATGTCTCT 588
DB  |||||
QY 713 CGATATCTATAAAAACTGTACC-----AGTGTGCTGTGTTCTTCA 755
DB  |||||
QY 589 GGCCAGCTGTTTACCTTCAGTGCACAGCTGTGTGTCATAGAAGGGGCTTACAGCTCAC-- 646
DB  |||||
QY 756 AAAGCAGTGGTTCCTTTTACGCTGTATAGCTTGCCTGCGGGGTCAACTTGAATCAAGCCGCCAG 815
DB  |||||
QY 647 ----GCATCGTGGGTGGAACAATGATCTCTGCTGTGCTTGTCTCGCAGTGGCCCTTGCAGCCAGCTTT 702
DB  |||||
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816 AGCAGGATTGTGGCGGAGAGCGGCTCCGGGGCCCTGGCCCTGGCAGGTCAGCCTG 875
703 CAGTTCAGGGTACCACTGTGGGGGCTGTCTATCAGCGCCCTGTGGATCATCACT 762
876 CAGTCCAGAACTCCAGTGTGGGAGGCTCATCATCAGCCCGAGTGGATCGTGACA 935
763 GTGTGACACACTGTGTTTATGA--CTTGTACCTCCCAAGTCATGGA---CCATCCAGGTGG 817
936 GCGGCCCACTGCTGGTGAAGAACCTTTAACAATCCATGGCATTTGGACGGCAITTTGGGGG 995
818 GTCTAGTTTCCCTGTTGGACAATCCA-GCCCCATCCACTTGTGTGGAGAAAGATTGCTAC 876
996 ATTTTGAGACAATCTTTCTATGTTGAGCGCGGATACCAAGTAGAAAAAGTGAATTTCT 1055
877 CACAGCAAGTACAGCAAGAGGCTGGGCAATGATCGCCCTTATGAAGCTGGCGGG 936
1056 CATCCAAATATGACTCCAGACCAAGAACAAATGACATTTGCGCTGATGAAGCTGCAGAG 1115
937 CCACTCAGCTTCAATGAATGATCCAGCCTGTGTGCTGCTGCCCACTCTTGAAGAGAACTTC 996
1116 CTTCTGACTTTCAGACCTAGTGAACCAAGTGTGTGCTGCCCAACCCAGGCATGCTG 1175
997 CCGGATGGAAAAAGTGTGAGAGTCAAGTCAAGTGGGGGGCCACAGAGGATGGAGTGAAGCC 1056
1176 CAGCCAGAACAGCTCTGCTGGATTCCGGGTGGGGGGCCACCGAGGAGAAAGGGAAGCC 1235
1057 TCCCTGTCTGTAACACAGGGGCGTCCCTTTGATTTTCCAAAGATCTGCAACACAGG 1116
1236 TCAGAAAGTGTGAACCTGCAAGGTGCTTCTCAITTGAGACACAGAGATGCAACAGCA 1295
1117 GAGCTGTAGGTGGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1176
1296 TATGTTCTATGACAACTGATCACACAGCCATGATCTGTCGGGCTTCTGCGAGGGAAC 1355
1177 GTGACAGCTGTCAGGGGGAAGCAGCGGGGGCCCTGCTGTGTCAAGAGAGAGGCTGTGG 1236
1356 GTCGATTCTTGGCAGGGTGACAGTGGAGGGCTCTGCTCACTTCGAAGAACATATCTGG 1415
1237 AGTTAGTGGAGCAGCAGCTTTGGCATCGGCTGCGCAGAGTGAACAAGCTGGGGT 1296
1416 TGGCTGATAGGGGATCAAGCTGGGTTCTGCTGTGTCGCAAGCTTACAGACAGAGTG 1475
1297 TACACCGTGTCACTCTCTCTGACTGGATCCAGCAGAGATGGAGAGAGCTTAAAA 1356
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1357 ACC 1359
1536 TCC 1538

RESULT 14

US-09-759-143-929
; Sequence 929, Application US/09759143
; Patent No. 6800746

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143

; CURRENT FILING DATE: 2001-01-12

; NUMBER OF SEQ ID NOS: 934

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 929

; LENGTH: 3245

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-759-143-929

Query Match 16.4%; Score 223.4; DB 3; Length 3245;
Best Local Similarity 54.3%; Pred. No. 3.5e-51;
Matches 621; Conservative 0; Mismatches 486; Indels 36; Gaps 7;

QY 235 TGTGCTCATCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCG 294
DB 502 TGCAGACTCTCAGGTACCTGTCATCAACCCCTCTAACTGGTGTGATGGCGTGCACACTGC 561
QY 295 AAGACGGGGAGAGCAGGTACCGCTGTGTCGGGTGGGTGAGAAATGCGATGCGCTGCCAG 354
DB 562 CCGGGGGGGAGAGCAGAAATCGGTGTGTTCCCTCTACGGATCAAACTTCATCTCTCAG 621
QY 355 GTGTTTACAGCTGCT-----TCGTGGAAGACATGTCTCCGATGACTGGAAGGCTCAC 408
DB 622 GTGTACTCATCTCAGAGGAAGTCTGGCACCCCTGTGTGCCAAGACGACTGGAACGAGAAC 681
QY 409 TAGCAAAATGTTGCCGTGTCGCCAACTGGGTTTCCCAAGCTATGTGAGTTGAGATAACCTC 468
DB 682 TAGGGCGGGCGCTGTCAGGGACATGGGCTATAAGATAAATTTTACTCTAGCCCAAGGA 741
QY 469 AGAGTGAGTCCGTGGAGGGGAGTTCGGGAGGAGTTTGTGTCCATCGATCACCTCTTG 528
DB 742 ATAGTG-GATGACAGCGGATCCACAGCTTTATGAACCTGAACACAAGTCCCGGCAATGT 800
QY 529 CAGAGATGACAAAGTGTACTGCATTACACCACTCAGTATATGTGAGGGAGGAGTGTGCTCT 588
DB 801 CGATATCTATAAAACTGTACCAC-----AGTGATGCTGTCTTCA 843
QY 589 GGCACAGTGGTACCTTGCAGTGCAAGCTGTGTGATAGAGGGGCTACAGCTCAC-- 646
DB 844 AAGACAGTGGTCTTTACGCTGTATAGCTGCGGGGTCAACTTTGAACCTCAAGCCGCCAG 903
QY 647 ---GCATCGTGGTGAACATGCTTCTGCTCTCGCAGTGGCCCTGGCAGGCGAGCCTT 702
DB 904 AGCAGGATTTGGGGCGGAGAGCGGCTCCCGGGGGCCCTGGCCCTGGCAGGTGAGCCTG 963
QY 703 CAGTTCAGGGCTTACCACCTGTGCGGGGCTCTGTCTATCAGCGCCCTGTGGATCATCACT 762
DB 964 CAGTCCAGAAAGTCCACGTTGGGAGGCTCCATCATCACCCCGAGTGGATCGTGACA 1023
QY 763 GTGCACTGTGTTTATGA--CTTGTACTCTCCCAAGTCAATGGA---CCATCCAGGTGG 817
DB 1024 GCGGCCACTGCGTGGAAAAACCTCTTAACAATCCATGTCATGTCGCAATTTGGCGGG 1083
QY 818 GTCTAGTTTCCCTGTTGGACAATCCA-GCCCCATCCACTTGTGTGGAGAGATTGCTAC 876
DB 1084 ATTTTGAGACAATCTTTTCATGTTCTATGGAGCGGATATCAAGTAGAAAAAGTGAATTTCT 1143
QY 877 CACAGCAAGTACAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGG 936
DB 1144 CATCCAAATATGACTCCAGAGCAAGAACATGACATTTGGCGTGTGATGAGTGCAGAG 1203
QY 937 CCACTCAGCTTCAATGAAATGATCCAGCTGTGTGCTGCCCACTCTGGAAGAGAACTTC 996
DB 1204 CCTCTGACTTCAACGACCTAGTGAACACCAAGTGTGTGCCCCAACCCAGGCATGATGCTG 1263
QY 997 CCGGATGGAAGAGTGTGTGGAGCTCAGGATGGGGGGCCACAGAGGATGGAGGTGAGGCC 1056
DB 1264 CAGCCAGAACAGCTCTGCTGGATTTCGGGTGGGGGGCCACCGAGGAGAAAGGAAGACC 1323

Qy 1357 ACC 1359
Db 1624 TCC 1626

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
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2	1362	100.0	2412	3	US-09-978-295A-68
3	1362	100.0	2412	3	US-09-978-697-68
4	1362	100.0	2412	3	US-09-978-192A-68
5	1362	100.0	2412	3	US-09-999-832A-68
6	1362	100.0	2412	3	US-09-978-189-68
7	1362	100.0	2412	3	US-09-978-608A-68
8	1362	100.0	2412	3	US-09-978-585A-68
9	1362	100.0	2412	3	US-09-978-191A-68
10	1362	100.0	2412	3	US-09-978-403A-68
11	1362	100.0	2412	3	US-09-978-564A-68
12	1362	100.0	2412	3	US-09-999-833A-68
13	1362	100.0	2412	3	US-09-981-915A-68
14	1362	100.0	2412	3	US-09-978-824-68
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ALIGNMENTS

RESULT 1
US-10-058-270A-59
; Sequence 59, Application US/10058270A
; Publication No. US20040029114A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Afar, Daniel
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
; FILE REFERENCE: 018501-005210US
; CURRENT APPLICATION NUMBER: US/10/058,270A
; CURRENT FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 60/263,965
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/265,928
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 09/829,472
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/282,698
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/288,590
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/294,443
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 141
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-058-270A-59

Query Match 100.0%; Score 1362; DB 7; Length 1362;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	ATCGGGGAAATGATCGCGCTGCTGTGTGAAGCCCTTCATTCGATCGATCGCTTTTGGC	60
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3	PRIOR APPLICATION NUMBER: 60/078910	3	PRIOR FILING DATE: 1998-04-23
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5	PRIOR APPLICATION NUMBER: 60/078939	5	PRIOR FILING DATE: 1998-04-27
6	PRIOR FILING DATE: 1998-03-20	6	PRIOR APPLICATION NUMBER: 60/083322
7	PRIOR APPLICATION NUMBER: 60/079294	7	PRIOR FILING DATE: 1998-04-28
8	PRIOR FILING DATE: 1998-03-25	8	PRIOR APPLICATION NUMBER: 60/083392
9	PRIOR APPLICATION NUMBER: 60/079656	9	PRIOR FILING DATE: 1998-04-29
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25	PRIOR APPLICATION NUMBER: 60/080105	25	PRIOR FILING DATE: 1998-04-30
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27	PRIOR APPLICATION NUMBER: 60/080107	27	PRIOR FILING DATE: 1998-05-05
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66	PRIOR APPLICATION NUMBER: 60/085560	
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68	PRIOR APPLICATION NUMBER: 60/085573	
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 126 ATGGGGGAAATGATCGGCTGCTGTTGAAGCCCTTCTCATNTCCGATCGCTTTTGGC 185
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QY 121 CTGTCACTGCTGCCATGGAATTTTTCATATCATTCGATTCATTCGATTCATTCGATA 180
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Kenneth J.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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us-09-846-512-3.rnpbm

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		; PRIOR FILING DATE: 1998-05-15	
		; PRIOR APPLICATION NUMBER: 60/085697	
		Query Match 100.0%; Score 1362; DB 3; Length 2412;	
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Qy	181	TTAGCACTGGCCATTGTTCTGGGCATCCACTTTCGACTGCTCAGGGAAGTACAGATGTCGC	240
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Qy	721	CTGTGCGGGGCTCTGTGCATCAGCCCTCTGTGGATCATCATGTGTGCACACTGTGTTTAT	780
Db	846	CTGTGCGGGGCTCTGTGCATCAGCCCTCTGTGGATCATCATGTGTGCACACTGTGTTTAT	905
Qy	781	GACTTGTACCTCCCAAGTCATGGACCAATCCAGGTGGGTCTAGTTTCCCTGTTGCACAA	840
Db	906	GACTTGTACCTCCCAAGTCATGGACCAATCCAGGTGGGTCTAGTTTCCCTGTTGCACAA	965
Qy	841	CCAGCCCCATCCCACTTGTGGGAAAGATTGTTCTACCAACAGCAAGTACAAGCCAAAGAGG	900

[illegible]

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; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 126 ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 185

QY 61 CTTGATGATTTGAAATAAAGTCTGTGTGCACAGATGCAGATGCTGTGTCTGCACAGATC 120
DB 186 CTTGATGATTTGAAATAAAGTCTGTGTGCACAGATGCAGATGCTGTGTCTGCACAGATC 245

QY 121 CTGTCACTGCTGCATTAAGTATTTTCCAATCATCGTCAATGGGATCAATTCATGATA 180
DB 246 CTGTCACTGCTGCATTAAGTATTTTCCAATCATCGTCAATGGGATCAATTCATGATA 305

QY 181 TTAGACATCGGCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 240
DB 306 TTAGACATCGGCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 365

QY 241 TCATCCTTTAAGTGTATCAGCTGTAGTCTGATGTGACGAGTCTCGGATTCGAAAGAC 300
DB 366 TCATCCTTTAAGTGTATCAGCTGTAGTCTGATGTGACGAGTCTCGGATTCGAAAGAC 425

QY 301 GGGAGGACAGTACCGCTGTGTCGGGTGGGTGAGTGCAGATGCGGTGCTCCAGTGTTC 360
DB 426 GGGAGGACAGTACCGCTGTGTCGGGTGGGTGAGTGCAGATGCGGTGCTCCAGTGTTC 485

QY 361 ACAGCTGCTTCGTGGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACCTACGCAATGTT 420
DB 486 ACAGCTGCTTCGTGGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACCTACGCAATGTT 545

QY 421 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTTCAGATAAACCCTCAGAGTGAAGTGC 480
DB 546 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTTCAGATAAACCCTCAGAGTGAAGTGC 605

QY 481 CTTGAGGGGCGATTCGGGAGGAGTTTGTCCATCATGATCACTCTTGGCAGATGACAAG 540
DB 606 CTTGAGGGGCGATTCGGGAGGAGTTTGTCCATCATGATCACTCTTGGCAGATGACAAG 665

QY 541 GTGACTGCTATTACACACTCAGTATATGTGAGGAGGGATGTCCTCTGGCCACGCTGTT 600
DB 666 GTGACTGCTATTACACACTCAGTATATGTGAGGAGGGATGTCCTCTGGCCACGCTGTT 725

QY 601 ACCTTCAGTGCACAGCTGTGTGCATAGAAGGGCTACAGCTCAGCATTCGTGGGTGA 660
DB 726 ACCTTCAGTGCACAGCTGTGTGCATAGAAGGGCTACAGCTCAGCATTCGTGGGTGA 785

QY 661 ACATGCTCCTGCTCTCGAGTGGCCCTGGCGAGCCCTTCAGTTCCAGGGCTACAC 720
DB 786 AACATGCTCCTGCTCTCGAGTGGCCCTGGCGAGCCCTTCAGTTCCAGGGCTACAC 845

QY 721 CTGTGGGGGGCTCTGTGCATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 780

DB 846 CTGTGGGGGGCTCTGTGCATCAGCCCTGTGTGGATCATCACTGCTGCACACTGTGTTAT 905
QY 781 GACTTGTACTCCCAAGTCAATGACCATTCAGGTGGGTCTAGTTTCCTGTTGGACAAT 840
DB 906 GACTTGTACTCCCAAGTCAATGACCATTCAGGTGGGTCTAGTTTCCTGTTGGACAAT 965
QY 841 CCAGCCCATCCCACTTGGTGGAGAAGATTGTCTACACAGCAAGTCAAGCAAGAGG 900
DB 966 CCAGCCCATCCCACTTGGTGGAGAAGATTGTCTACACAGCAAGTCAAGCAAGAGG 1025
QY 901 CTTGGCAATGACATCGCCCTTTATGAAGCTGGCCGCGCACTCACGTTCAATGAAATGATC 960
DB 1026 CTTGGCAATGACATCGCCCTTTATGAAGCTGGCCGCGCACTCACGTTCAATGAAATGATC 1085
QY 961 CAGCCTGTGTGCTGCCCAACTCTGAAAGAACTTTCCCGATGGAAGTGTGCTGGAGG 1020
DB 1086 CAGCCTGTGTGCTGCCCAACTCTGAAAGAACTTTCCCGATGGAAGTGTGCTGGAGG 1145
QY 1021 TCAGATGGGGGCCACAGAGATGGAGTGAAGCTCCCTGCTGCTGAAACCAAGCGGCC 1080
DB 1146 TCAGATGGGGGCCACAGAGATGGAGTGAAGCTCCCTGCTGCTGAAACCAAGCGGCC 1205
QY 1081 GTCCCTTTGATTTCCAAACAAGATCTGCAACCAAGGACGCTGACGTTGGCATCATCTCC 1140
DB 1206 GTCCCTTTGATTTCCAAACAAGATCTGCAACCAAGGACGCTGACGTTGGCATCATCTCC 1265
QY 1141 CCCTCATGCTCTGGCGGGGCTACTGACGGGTGGCTGGACAGCTGCCAGGGGACAGC 1200
DB 1266 CCCTCATGCTCTGGCGGGGCTACTGACGGGTGGCTGGACAGCTGCCAGGGGACAGC 1325
QY 1201 GGGGGGGCCCTGGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGAGCCAGCAGCTTT 1260
DB 1326 GGGGGGGCCCTGGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGAGCCAGCAGCTTT 1385
QY 1261 GGCATCGCTCTCGCAGAGGTGAACAAGCCTGGGGGTGTACACCCGTGTCACTCTTCCTG 1320
DB 1386 GGCATCGCTCGCAGAGGTGAACAAGCCTGGGGGTGTACACCCGTGTCACTCTTCCTG 1445
QY 1321 GACTGGATCCAGCAGCAGATGGAGAGACCTTAAACCTGA 1362
DB 1446 GACTGGATCCAGCAGCAGATGGAGAGACCTTAAACCTGA 1487

RESULT 6
US-09-978-189-68
; Sequence 68, Application US/09978189
; Publication No. US20030004102A1
; GENERAL INFORMATION:
; APPLICANT: Ashtenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.

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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC7
; CURRENT APPLICATION NUMBER: US/09/978,189
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-07

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; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR APPLICATION NUMBER: 60/084627
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGAAATGATCCGCTGCTGTGTAAGCCCTTCTCATTCGATCGCTTTTGGC 60
DB 126 ATGGGGAAATGATCCGCTGCTGTGTAAGCCCTTCTCATTCGATCGCTTTTGGC 185
QY 61 CTTGATGATTGAAATAGTCTGTTGCACAGATGCAGATGCTGTGCTGCACAGATC 120
DB 186 CTTGATGATTGAAATAGTCTGTTGCACAGATGCAGATGCTGTGCTGCACAGATC 245
QY 121 CTGTCACTGCTGCCATTGAAGTTTTTTTCCAATCATGTCATTTGGGATCATTTGATTA 180
DB 246 CTGTCACTGCTGCCATTGAAGTTTTTTTCCAATCATGTCATTTGGGATCATTTGATTA 305
QY 181 TTAGACTGCGCATTTGGTCTGGGCATCCATCTTCGACTGCTAGGGAAGTACAGATGTCG 240
DB 306 TTAGACTGCGCATTTGGTCTGGGCATCCATCTTCGACTGCTAGGGAAGTACAGATGTCG 365
QY 241 TCATCCTTTAAGTGATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTGCAAGAC 300
DB 366 TCATCCTTTAAGTGATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTGCAAGAC 425
QY 301 GGGAGGACAGGTACCGCTGTGTCGGGGTGGGTGAGTGCAGATGCCGTGCTCCAGGTGTTTC 360
DB 426 GGGAGGACAGGTACCGCTGTGTCGGGGTGGGTGAGTGCAGATGCCGTGCTCCAGGTGTTTC 485
QY 361 ACAGTGTCTTGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
DB 486 ACAGTGTCTTGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 545
QY 421 GCCTGTGCCCACTGGGTTTCCAGCTATGTAGTTTCAGATAAAGTTCAGAGTGAGCTGCG 480
DB 546 GCCTGTGCCCACTGGGTTTCCAGCTATGTAGTTTCAGATAAAGTTCAGAGTGAGCTGCG 605
QY 481 CTGGAGGGCAGTTCCGGAGGAGTTTGTGTCATCGATCACTCTTGGCCAGATGACAAG 540
DB 606 CTGGAGGGCAGTTCCGGAGGAGTTTGTGTCATCGATCACTCTTGGCCAGATGACAAG 665
QY 541 GTGACTGCATTAACACACTCAGTATATGTAGGGAGGGATGCTCTGGGCCACGTGTTT 600
DB 666 GTGACTGCATTAACACACTCAGTATATGTAGGGAGGGATGCTCTGGGCCACGTGTTT 725
QY 601 ACCTTGCAGTGACACGCTTGTGTCATAGAAAGGGGCTACAGCTACGCATCTGTGGGTGA 660

DB 726 ACCTTGCAGTGACACAGCCTGTGGTCATAGAGGGGCTACAGCTACGCATCGTGGGTGA 785
QY 661 AACATGTCCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCCTTCACTTCCAGGGCTACAC 720
DB 786 AACATGTCCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCCTTCACTTCCAGGGCTACAC 845
QY 721 CTGTGGGGGGCTGTGTCATACGCGCCCTGTGGATCATCACTGCTGCACTGTGTTTAT 780
DB 846 CTGTGGGGGGCTGTGTCATACGCGCCCTGTGGATCATCACTGCTGCACTGTGTTTAT 905
QY 781 GACTTGTACTCTCCCAAGTCAATGGAACCATCAGGTGGGTCTAGTTTCCCTGTGGACAAT 840
DB 906 GACTTGTACTCTCCCAAGTCAATGGAACCATCAGGTGGGTCTAGTTTCCCTGTGGACAAT 965
QY 841 CCAGCCCATCCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTACAAGCAAGAGG 900
DB 966 CCAGCCCATCCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTACAAGCAAGAGG 1025
QY 901 CTGGCAATGACATCGCCCTTATGAAGCTGCGCGGCCACTCAGTTTCAATGAATGATC 960
DB 1026 CTGGCAATGACATCGCCCTTATGAAGCTGCGCGGCCACTCAGTTTCAATGAATGATC 1085
QY 961 CAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACG 1020
DB 1086 CAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACG 1145
QY 1021 TCAGATGGGGGCCACAGAGATGGAGTGAGCGCTCCCTGTCTCTGAAACCAACGCGGCC 1080
DB 1146 TCAGATGGGGGCCACAGAGATGGAGTGAGCGCTCCCTGTCTCTGAAACCAACGCGGCC 1205
QY 1081 GTCCCTTTGATTTCCAAACAAGATCTGCAACACACAGGAGCTGTACGGTGGCATCATCTCC 1140
DB 1206 GTCCCTTTGATTTCCAAACAAGATCTGCAACACACAGGAGCTGTACGGTGGCATCATCTCC 1265
QY 1141 CCCTCATGCTCTGCGCGGCTTACTGACGGTGGCGTGACAGCTGCAGGGGACAGC 1200
DB 1266 CCCTCATGCTCTGCGCGGCTTACTGACGGTGGCGTGACAGCTGCAGGGGACAGC 1325
QY 1201 GGGGGCCCCCTGGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGGAGCAGCAAGCTTT 1260
DB 1326 GGGGGCCCCCTGGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGGAGCAGCAAGCTTT 1385
QY 1261 GGCATCGGCTGGCAGAGTGAACAGCCTGGGTGTACACCCGTGTCACTCTCTTCCTG 1320
DB 1386 GGCATCGGCTGGCAGAGTGAACAGCCTGGGTGTACACCCGTGTCACTCTCTTCCTG 1445
QY 1321 GACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1362
DB 1446 GACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1487

RESULT 7
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; Sequence 68, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J


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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 68
; LENGTH: 2412
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-978-585A-68

Query Match      100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGGAAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 126 ATGGGGGAAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 185

QY 61 CTTGATGATTTGAAAATAGTCTGTGCAACAGATGCAGATGCTGTTGCTGCACAGATC 120
DB 186 CTTGATGATTTGAAAATAGTCTGTGTTGCACAGATGCAGATGCTGTTGCTGCACAGATC 245

QY 121 CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATCGTCATTTGGGATCATTTGCATGATA 180
DB 246 CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATCGTCATTTGGGATCATTTGCATGATA 305

QY 181 TTAGCAGTGGCATTGGTCTGGGCATCCACTTTCGACTGCTCAGGGAAGTACAGATGTGCG 240
DB 306 TTAGCAGTGGCATTGGTCTGGGCATCCACTTTCGACTGCTCAGGGAAGTACAGATGTGCG 365

QY 241 TCATCCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
DB 366 TCATCCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 425

QY 301 GGGGAGGACGATACCGCTGTGTCGGGTGGGTGCTCAGATGCCGTGCTCAGGTGTTTC 360
DB 426 GGGGAGGACGATACCGCTGTGTCGGGTGGGTGCTCAGATGCCGTGCTCAGGTGTTTC 485

QY 361 ACAGCTGCTTCTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACGCAATGTT 420
DB 486 ACAGCTGCTTCTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACGCAATGTT 545

QY 421 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAAOCCTCAGAGTGAGCTCG 480
DB 546 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAAOCCTCAGAGTGAGCTCG 605

QY 481 CTGGAGGGGCGATTCGGGAGGAGTTTGTGTCATCGATFCACTCTTGGCCAGATGACAAAG 540
DB 606 CTGGAGGGGCGATTCGGGAGGAGTTTGTGTCATCGATFCACTCTTGGCCAGATGACAAAG 665

QY 541 GTGACTGCATTACACCACTCAGTATATGTGAGGAGGGATGTCCTCTGGCCACGTGGTT 600
DB 666 GTGACTGCATTACACCACTCAGTATATGTGAGGAGGGATGTCCTCTGGCCACGTGGTT 725

QY 601 ACCTTCAGTGCACACGCTGTGGTTCATAGAAGGGGCTACAGCTCAGCATCGTGGGTGGA 660
DB 726 ACCTTCAGTGCACACGCTGTGGTTCATAGAAGGGGCTACAGCTCAGCATCGTGGGTGGA 785

QY 661 AACATGTCCTTGTCTCGAGTGGGCCCTGGCAGGCCAGCCTTCAGTTCAGGGGCTACCAAC 720
DB 786 AACATGTCCTTGTCTCGAGTGGGCCCTGGCAGGCCAGCCTTCAGTTCAGGGGCTACCAAC 845

QY 721 CTGTGGGGGGGCTCTGTCTATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 780
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DB 846 CTGTGGGGGGCTCTGTCTATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 905
QY 781 GACTTGTACCTCCCAAGTGCATGACCATCAGGTGGGCTTAGTTTCCTGTTGGACAAT 840
DB 906 GACTTGTACCTCCCAAGTGCATGACCATCAGGTGGGCTTAGTTTCCTGTTGGACAAT 965
QY 841 CCAGCCCATCCCACTTGGTGGAGAAATGTTCTACCAAGCAAGTCAAGCAAGCAAGAGG 900
DB 966 CCAGCCCATCCCACTTGGTGGAGAAATGTTCTACCAAGCAAGTCAAGCAAGCAAGAGG 1025
QY 901 CTGGCAATGACATCGCCCTTATGAAGTGGCGGGCCACTCACCTTCAATGAATGATC 960
DB 1026 CTGGCAATGACATCGCCCTTATGAAGTGGCGGGCCACTCACCTTCAATGAATGATC 1085
QY 961 CAGCCTGTGCTGCTGCCCAACTCTGAAAGAACTTCCCGATGGAAGTGTGCTGGAG 1020
DB 1086 CAGCCTGTGCTGCTGCCCAACTCTGAAAGAACTTCCCGATGGAAGTGTGCTGGAG 1145
QY 1021 TCAGGATGGGGGCCACAGAGATGGAGTGCAGCTCCTCCCTGCTCTGAACCAACCGGCC 1080
DB 1146 TCAGGATGGGGGCCACAGAGATGGAGTGCAGCTCCTCCCTGCTCTGAACCAACCGGCC 1205
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DB 1446 GACTGGATCCAGGACAGATGAGAGACCTTAAAAACCTGA 1487
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; Sequence 68, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
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APPLICANT: Tuma, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC4
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: US/09/978,191A
PRIOR FILING DATE: 2001-07-30
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; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 126 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCCCTCTCATTCGGATCGCTTTTGGC 185
QY 61 CTTGATGATTCAAAATAGTCCTGTGCACAGATGCAGATGCTGTGCTGCACAGATC 120
DB 186 CTTGATGATTGAAATAGTCCTGTGTGCACAGATGCAGATGCTGTGCTGCACAGATC 245
QY 121 CTGTCACTGCTGCCATTTGAAGTTTTTCCAAATCATCGTCATTTGGGATCATTTGATTA 180
DB 246 CTGTCACTGCTGCCATTTGAAGTTTTTCCAAATCATCGTCATTTGGGATCATTTGATTA 305
QY 181 TTAGCATGGCCATTGGTCTGGGCATCCACTTTCGACTGCTCAGGGAAGTACAGATGTGCG 240
DB 306 TTAGCATGGCCATTGGTCTGGGCATCCACTTTCGACTGCTCAGGGAAGTACAGATGTGCG 365
QY 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
DB 366 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 425
QY 301 GGGGAGGACGATACCGCTGTGTCCGGGTGGGTGGTTCAGAAATGCCGTGCTCCAGGTGTTTC 360
DB 426 GGGGAGGACGATACCGCTGTGTCCGGGTGGGTGGTTCAGAAATGCCGTGCTCCAGGTGTTTC 485
QY 361 ACAGTGTCTTGTGGAAGACCAATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
DB 486 ACAGTGTCTTGTGGAAGACCAATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 545
QY 421 GCCTGTGCCCACTGGGTTTTCCCAAGCTATGTAGTTTCAGATAAAGCTCAGAGTGAGCTCG 480
DB 546 GCCTGTGCCCACTGGGTTTTCCCAAGCTATGTAGTTTCAGATAAAGCTCAGAGTGAGCTCG 605
QY 481 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCATCGATCACTCTTGGCAGATGACAAG 540
DB 606 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCATCGATCACTCTTGGCAGATGACAAG 665
QY 541 GTGACTGCAATTACACACTCAGTATATGTGAGGGAGGATGTGCTCTGGGCCACGTGGTT 600
DB 666 GTGACTGCAATTACACACTCAGTATATGTGAGGGAGGATGTGCTCTGGGCCACGTGGTT 725
QY 601 ACCTTGCAGTGACACGCTGTGGTTCATAGAAAGGGGCTACAGCTCAGCATCTGTGGGTGA 660
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QY 721 CTGTGGGGGGCTGTGTATCATACGCCCCCTGTGGATCATCACTGTGTCACACTGTGTTAT 780
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DB 1446 GACTGGATCCACGAGCAGATGGAGAGACCTTAAAAAAGCTGA 1487
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RESULT 10
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; Sequence 68, Application US/09978403A
; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
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APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT FILING DATE: 2002-03-19
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PRIOR APPLICATION NUMBER: 60/064249
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Query Match 100.0%; Score 1362; DB 3; Length 2412;
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QY 181 TTAGCACTGGCCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGC 240
DB 306 TTAGCACTGGCCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGC 365
QY 241 TCATCCTTTAAGTGTATCGAGCTGATGATGCTCGATGTGACGAGTCTCGGATTTGAAAGAC 300
DB 366 TCATCCTTTAAGTGTATCGAGCTGATGCTCGATGTGACGAGTCTCGGATTTGAAAGAC 425
QY 301 GGGGAGGACGATACCGCTGCTCCGGTGGTGGTGCAGAAATGCGTGTCCAGGTGTC 360
DB 426 GGGGAGGACGATACCGCTGCTCCGGTGGTGGTGCAGAAATGCGTGTCCAGGTGTC 485
QY 361 ACAGCTGCTTCTGTGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAATGTT 420
DB 486 ACAGCTGCTTCTGTGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAATGTT 545
QY 421 GCCTGTGCCCACTGGGTTTCCAGAGTATGTAGTTTCAGATAAACCTCAGATGAGCTCG 480
DB 546 GCCTGTGCCCACTGGGTTTCCAGAGTATGTAGTTTCAGATAAACCTCAGATGAGCTCG 605
QY 481 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCATCGATCACCTCTTGCAGATGACAAG 540

Db 606 CTGGAGGGGACGTTCCGGAGGAGTTTGTGTCCATCGATCACCTCTTCCAGATGACAAG 665
QY 541 GTGACTGCATTTACACCACTCAGTATATCTGAGGAGGAGTCTGCTCTGGCCACGTTGTT 600
DB 666 GTGACTGCATTTACACCACTCAGTATATCTGAGGAGGAGTCTGCTCTGGCCACGTTGTT 725
QY 601 ACCTTTGAGTGCACAGCCTGTGGTCTATAGAAAGGGCTACAGCTCAGCATCGTGGGTGGA 660
DB 726 ACCTTTGAGTGCACAGCCTGTGGTCTATAGAAAGGGCTACAGCTCAGCATCGTGGGTGGA 785
QY 661 AACATGTCCTTTGCTCTGCACTGCGCCCTTGGCAGGCGCAGCTTCACTTCCAGGGCTACAC 720
DB 786 AACATGTCCTTTGCTCTGCACTGCGCCCTTGGCAGGCGCAGCTTCACTTCCAGGGCTACAC 845
QY 721 CTGTGCGGGGGCTCTGTTCATCAGCCCTTGGATCATCACTGCTGCACTGCTGTTTAT 780
DB 846 CTGTGCGGGGGCTCTGTTCATCAGCCCTTGGATCATCACTGCTGCACTGCTGTTTAT 905
QY 781 GACTTTGACTCCCAAGTCAATGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 840
DB 906 GACTTTGACTCCCAAGTCAATGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 965
QY 841 CCAGCCCCATCCCACTTTGGTGGAGAAGATTGTCTACCAAGCAAGTCAAGCCAAAGAGG 900
DB 966 CCAGCCCCATCCCACTTTGGTGGAGAAGATTGTCTACCAAGCAAGTCAAGCCAAAGAGG 1025
QY 901 CTGGGCAATGATCGCCCTTATGAAGCTGCGCGGGCCACTCAGCTTCAATGAATGATC 960
DB 1026 CTGGGCAATGATCGCCCTTATGAAGCTGCGCGGGCCACTCAGCTTCAATGAATGATC 1085
QY 961 CAGCTGTGTGCTGCGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTCTGGACG 1020
DB 1086 CAGCTGTGTGCTGCGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTCTGGACG 1145
QY 1021 TCAGGATGGGGGGCCACAGAGGATGGAGGTGACGCTCCCTGCTCTCTGAAACACGCGGCC 1080
DB 1146 TCAGGATGGGGGGCCACAGAGGATGGAGGTGACGCTCCCTGCTCTCTGAAACACGCGGCC 1205
QY 1081 GTCCCTTTGATTTCCACAAAGATCTGCAACACAGGAGGAGTACGGTGGCATCATCTCC 1140
DB 1206 GTCCCTTTGATTTCCACAAAGATCTGCAACACAGGAGGAGTACGGTGGCATCATCTCC 1265
QY 1141 CCCTCCATGCTCTGCGCGGGCTACTCTGACGGTGGCTGGACAGCTGCCAGGGGACAGC 1200
DB 1266 CCCTCCATGCTCTGCGCGGGCTACTCTGACGGTGGCTGGACAGCTGCCAGGGGACAGC 1325
QY 1201 GGGGGGGGGCTGCTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGAGCGACAGCTTT 1260
DB 1326 GGGGGGGGGCTGCTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGAGCGACAGCTTT 1385
QY 1261 GGCATCGCTGCGCAGAGGTGAAACAGCTGGGGTGTACCCGCTGTCACCTCTCTCTG 1320
DB 1386 GGCATCGCTGCGCAGAGGTGAAACAGCTGGGGTGTACCCGCTGTCACCTCTCTCTG 1445
QY 1321 GACTGGATCCAGCAGCAGATGAGAGACCTTAAAAACCTGA 1362
DB 1446 GACTGGATCCAGCAGCAGATGAGAGACCTTAAAAACCTGA 1487

RESULT 11
US-09-978-564A-68
; Sequence 68, Application US/09978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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PRIOR APPLICATION NUMBER: 60/077649
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PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
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;; PRIOR APPLICATION NUMBER: 60/083742
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;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGGGAAATCATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 126 ATGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 185
QY 61 CTTGATGATTTGAAATAAGTCTGTTGCACAGATGCAGATGCTGTTCTGCACAGATC 120
DB 186 CTTGATGATTTGAAATAAGTCTGTTGCACAGATGCAGATGCTGTTCTGCACAGATC 245
QY 121 CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATCGTCAATGGGATCAATGATGATA 180
DB 246 CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATCGTCAATGGGATCAATGATGATA 305
QY 181 TTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGC 240
DB 306 TTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGC 365
QY 241 TCATCCTTTTAAGTGTATCGAGTGTAGCTCGATGTGACGGAGTCTCGGATTCGAAAGAC 300
DB 366 TCATCCTTTTAAGTGTATCGAGTGTAGCTCGATGTGACGGAGTCTCGGATTCGAAAGAC 425
QY 301 GGGAGGACAGATPACCGCTGTGTCGGGTGGGTGFTCAAGATGCCCGTGTCCAGGTGTTTC 360
DB 426 GGGAGGACAGATPACCGCTGTGTCGGGTGGGTGFTCAAGATGCCCGTGTCCAGGTGTTTC 485
QY 361 ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGACTGGAGGGTCACTACGCAATGTT 420

DB 486 ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGACTGAAAGGTCACCTACGCAATGTT 545
QY 421 GCCTGTGCCCAACTGGGTTTCCAAAGCTATGTAGATTAGATAAAGCTCAGAGTGAGCTCG 480
DB 546 GCCTGTGCCCAACTGGGTTTCCAAAGCTATGTAGATTAGATAAAGCTCAGAGTGAGCTCG 605
QY 481 CTGGAGGGGCAAGTTCGGGAGGAGTTTGTGTCATCGATCACTCTTCCAGATGACAAG 540
DB 606 CTGGAGGGGCAAGTTCGGGAGGAGTTTGTGTCATCGATCACTCTTCCAGATGACAAG 665
QY 541 GTGACTGCATTACACCACTCAGTATATGTAGGGAGGAGTGTGCTCTGGCCACGCTGGTT 600
DB 666 GTGACTGCATTACACCACTCAGTATATGTAGGGAGGAGTGTGCTCTGGCCACGCTGGTT 725
QY 601 ACCTTGCAAGTGCACAGCTGTGGTTCATAGAGGGGCTACAGTCAAGATCGTGGGTGGA 660
DB 726 ACCTTGCAAGTGCACAGCTGTGGTTCATAGAGGGGCTACAGTCAAGATCGTGGGTGGA 785
QY 661 RACATGTCCTTGTCTCTCGAGTGGCCCTGGCAGGCGAGCTTCAGTTCAGGGCTACCAAC 720
DB 786 RACATGTCCTTGTCTCTCGAGTGGCCCTGGCAGGCGAGCTTCAGTTCAGGGCTACCAAC 845
QY 721 CTGTGCGGGGCTCTGTCTCATCAGCCCTCTGTGGATCATCACTGTGTCACACTGTGTTAT 780
DB 846 CTGTGCGGGGCTCTGTCTCATCAGCCCTCTGTGGATCATCACTGTGTCACACTGTGTTAT 905
QY 781 GACTTGTACTCCCAAGTCAATGACATGACATGACATGACATGACATGACATGACATGACAT 840
DB 906 GACTTGTACTCCCAAGTCAATGACATGACATGACATGACATGACATGACATGACATGACAT 965
QY 841 CCAGCCCCATCCCACTTGTGGAGAGATGCTCTACCAAGCAAGTGTGAGGAGGAGG 900
DB 966 CCAGCCCCATCCCACTTGTGGAGAGATGCTCTACCAAGCAAGTGTGAGGAGGAGG 1025
QY 901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACCTTCAATGAATGATC 960
DB 1026 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACCTTCAATGAATGATC 1085
QY 961 CAGCTGTGTGCTGCCCAACTCTGAAAGAACTTCCCGATGGAAGTGTGCTGGAGC 1020
DB 1086 CAGCTGTGTGCTGCCCAACTCTGAAAGAACTTCCCGATGGAAGTGTGCTGGAGC 1145
QY 1021 TCAGATGGGGGCCACAGAGATGAGTGCAGCTCCCTGCTCCTGAACCAAGCGGCC 1080
DB 1146 TCAGATGGGGGCCACAGAGATGAGTGCAGCTCCCTGCTCCTGAACCAAGCGGCC 1205
QY 1081 GTCCCTTTGATTTCCAAAGATCTGCAACCAAGAGCTGACGGTGGCATCATCTCC 1140
DB 1206 GTCCCTTTGATTTCCAAAGATCTGCAACCAAGAGCTGACGGTGGCATCATCTCC 1265
QY 1141 CCCTCCATGCTCTGCGCGGCTACCTGACGGGTGGGTGGAAGCTGCCAGGGGAGCAGC 1200
DB 1266 CCCTCCATGCTCTGCGCGGCTACCTGACGGGTGGGTGGAAGCTGCCAGGGGAGCAGC 1325
QY 1201 GGGGGGCCCCCTGCTGTCAAGAGAGGCTGTGGAGTGTAGTGGGAGCGACGCTTT 1260
DB 1326 GGGGGGCCCCCTGCTGTCAAGAGAGGCTGTGGAGTGTAGTGGGAGCGACGCTTT 1385
QY 1261 GGCATCGGTGCGCAGAGGTGAACAAAGCTGGGGGTGTACACCCGTGTCTCACTCTTCTG 1320
DB 1386 GGCATCGGTGCGCAGAGGTGAACAAAGCTGGGGGTGTACACCCGTGTCTCACTCTTCTG 1445
QY 1321 GACTGGATCCACGAGCAGATGAGAGAGACCTTAAACCTGA 1362
DB 1446 GACTGGATCCACGAGCAGATGAGAGAGACCTTAAACCTGA 1487

RESULT 12
US-09-999-833A-68
; Sequence 68, Application US/09999833A
; Publication No. US20030054405A1
; GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C65
CURRENT APPLICATION NUMBER: US/09/999,833A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
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PRIOR APPLICATION NUMBER: 60/079294
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PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29

[illegible]

Db 1446 GACTGGATCCAGCAGCAGATGGAGAGAGACCTAAAAACCTGA 1487

RESULT 13

US-09-981-915A-68
Sequence 68, Application US/09981915A
Publication No. US20030054986A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C12
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: US/09/981,915A
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/080105
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PRIOR FILING DATE: 1998-03-31
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PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29

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Db 1386 GGCATCGGCTGCGCAGAGTGAAACAGCCTGGGGTGTACACCCGTGTACCTTCCTCTG 1445
QY 1321 GACTGGATCCAGCAGCAGATGAGAGACCTTAAAAACCTGA 1362
Db 1446 GACTGGATCCAGCAGCAGATGAGAGACCTTAAAAACCTGA 1487

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; Sequence 68, Application US/09978924
; Publication No. US20030055216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C14
; CURRENT APPLICATION NUMBER: US/09/978,824
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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 / PRIOR APPLICATION NUMBER: 60/085697

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 Db 186 CTTGATGATTTGAAAATAGTCTGTTGCAACAGATGAGATGCTGTTGCTGCACAGATC 245
 Qy 121 CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATCGTCATTGGGATCATTTGCATTGATA 180
 Db 246 CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATCGTCATTGGGATCATTTGCATTGATA 305
 Qy 181 TTAGCACTGGCCATTGGTCTGGGCATCCATTGCACTCTCAGGAAAGTACAGATGTGCG 240
 Db 306 TTAGCACTGGCCATTGGTCTGGGCATCCATTGCACTCTCAGGAAAGTACAGATGTGCG 365
 Qy 241 TCATCCTTTAAGTGTATCGAGCTGATAGTGTGACGGAGTCTCGGATTCGAAAGAC 300
 Db 366 TCATCCTTTAAGTGTATCGAGCTGATAGTGTGACGGAGTCTCGGATTCGAAAGAC 425
 Qy 301 GGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGAGTGTGAGATGCGTCTCCAGGTGTT 360
 Db 426 GGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGAGTGTGAGATGCGTCTCCAGGTGTT 485
 Qy 361 ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGATCGAAGGGTCACTACGCAATGTT 420
 Db 486 ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGATCGAAGGGTCACTACGCAATGTT 545
 Qy 421 GCCTGTGCCAACTGGGTTTCCAAAGCTATGTAGTTCAGATAAAGTACAGATGAGCTCG 480
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 Qy 781 GACTTGTAACCTCCCAAGTCAATGACATGACATCAGAGTGGGTCTAGTTTCCCTGTTGACAAT 840
 Db 906 GACTTGTAACCTCCCAAGTCAATGACATGACATCAGAGTGGGTCTAGTTTCCCTGTTGACAAT 965
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 Db 966 CCAGCCCCATCCCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1025
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 Qy 961 CAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTTCCCGGATGGAAGAGTGTGCTGGACG 1020
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QY 1201 GGGGGGCCCTGTGTCTCAAGAGAGGAGGCTGTGGAAGTGTAGTGGAGCGACCAAGCTTT 1260
Db 1326 GGGGGGCCCTGTGTCTCAAGAGAGGAGGCTGTGGAAGTGTAGTGGAGCGACCAAGCTTT 1385
QY 1261 GGCATCGGTGCGCAGAGGTGAACAAGCTGGGGTGTACACCGTGTACCTCTTCCTG 1320
Db 1386 GGCATCGGTGCGCAGAGGTGAACAAGCTGGGGTGTACACCGTGTACCTCTTCCTG 1445
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Db 1446 GACTGATCCAGCAGAGTGGAGAGACCTTAACAACTGA 1487

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; Sequence 68, Application US/09918585A
; Publication No. US20030060406A1
; GENERAL INFORMATION:
; APPLICANT: Aehkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C1
; CURRENT APPLICATION NUMBER: US/09/918,585A
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-04-22

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1146 TCAGGATGGGGGCCACAGAGATGGAGGTGAGGCTCCCTGTCTGAAACCAACGGGCC 1205
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Qy 1321 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1362
Db 1446 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1487

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Job time : 1105.5 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 22:16:44 ; Search time 210.462 Seconds
(without alignments)
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Total number of hits satisfying chosen parameters: 9275218

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/2/pubpna/US07 NEW PUB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1349	99.0	1365	7	US-11-037-243-44
2	191.2	14.0	1374	7	US-11-037-243-51
3	181.4	13.3	1614	7	US-11-037-243-45
4	159.2	11.7	2038	7	US-11-183-914-18
5	159.2	11.7	2063	7	US-11-102-240-111
6	152.2	11.2	3387	7	US-11-037-243-38
7	143	10.5	1615	7	US-11-182-752-1
8	143	10.5	1783	7	US-11-112-908-14
9	143	10.5	1783	7	US-11-000-688-380
10	136.6	10.0	780	7	US-11-056-621-5
11	136.6	10.0	2376	7	US-11-056-621-3
12	128.8	9.5	2596	7	US-11-136-527-2102
13	127.6	9.4	2716	6	US-10-995-561-19
14	125.6	9.2	1737	7	US-11-037-243-41
15	117.4	8.6	902	6	US-10-775-169-190
16	117.4	8.6	947	7	US-11-127-877-33
17	114.8	8.4	981	7	US-11-037-243-46
18	113.6	8.3	1081	7	US-11-183-914-15
19	113	8.3	1129	6	US-10-131-826A-221
20	112.8	8.3	2409	7	US-11-037-243-54
21	112.6	8.3	1400	7	US-11-136-527-5107
22	112.6	8.3	2739	7	US-11-136-527-1011
23	111.6	8.2	792	7	US-11-037-243-37

24	108.8	8.0	2457	7	US-11-037-243-52	Sequence 52, Appl
25	102	7.5	2016	7	US-11-029-003-7	Sequence 7, Appl
26	99.2	7.3	3178	7	US-11-136-527-508	Sequence 508, App
27	97.8	7.2	2087	6	US-10-775-169-216	Sequence 216, App
28	96.6	7.1	3243	6	US-10-995-561-244	Sequence 244, App
29	95.8	7.0	888	7	US-11-037-243-26	Sequence 26, Appl
30	95.8	7.0	918	7	US-11-137-465-23	Sequence 23, Appl
31	94.8	7.0	792	7	US-11-136-527-3745	Sequence 3745, Ap
32	93.4	6.9	1113	7	US-11-136-527-2462	Sequence 2462, Ap
33	93	6.8	2497	6	US-10-220-824-1	Sequence 1, Appl
34	91.2	6.7	1278	7	US-11-037-243-33	Sequence 33, Appl
35	90.8	6.7	1733	7	US-11-080-991-85	Sequence 85, Appl
36	90.8	6.7	1802	6	US-10-821-234-191	Sequence 191, App
37	89.4	6.6	2103	7	US-11-102-240-105	Sequence 105, App
38	88	6.5	600	7	US-11-136-527-7841	Sequence 7841, App
39	86	6.3	1059	7	US-11-037-243-36	Sequence 36, Appl
40	82	6.0	821	7	US-11-136-527-771	Sequence 771, App
41	82	6.0	821	7	US-11-136-527-4867	Sequence 4867, Ap
42	81.2	6.0	40000	6	US-10-995-561-13509	Sequence 13509, A
43	77.4	5.7	600	7	US-11-136-527-6558	Sequence 6558, Ap
44	76	5.6	201	6	US-10-995-561-83670	Sequence 83670, A
45	75	5.5	1887	7	US-11-037-243-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-11-037-243-44
; Sequence 44, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 44
; LENGTH: 1365
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-44

Query Match 99.0%; Score 1349; DB 7; Length 1365;					
Best Local Similarity 99.8%; Pred. No. 0;					
Matches 1362; Conservative 0; Mismatches 0; Indels 3; Gaps 1;					
QY	1	ATGGGGGAAATGATCCGCTGCTGTGTAAGCCCCCTTCTCATTCGATCGCTTTTGGC	60		
Db	1	ATGGGGGAAATGATCCGCTGCTGTGTAAGCCCCCTTCTCATTCGATCGCTTTTGGC	60		
QY	61	CTTGATGATTGAAATAAGTCTGTGACACAGATGACAGATGCTGTGTCGCACAGATC	120		
Db	61	CTTGATGATTGAAATAAGTCTGTGACACAGATGACAGATGCTGTGTCGCACAGATC	120		
QY	121	CTGTCACTGCTGCATTGAAGTTTTTCCCAATCATCGTCAATCGGATCATTCGATTGATA	180		
Db	121	CTGTCACTGCTGCATTGAAGTTTTTCCCAATCATCGTCAATCGGATCATTCGATTGATA	180		
QY	181	TTAGCACTGCGCAATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGCGC	240		
Db	181	TTAGCACTGCGCAATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGCGC	240		

QY 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGAGTTGCCAAGAC 300
DB 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGAGTTGCCAAGAC 300
QY 301 GGGAGGAGGAGTACCGCTGTCTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 360
DB 301 GGGAGGAGGAGTACCGCTGTCTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 360
QY 361 ACAGCTGCTTCTGGAAGACCACTATGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
DB 361 ACAGCTGCTTCTGGAAGACCACTATGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
QY 421 GCCTGTGCCAACTGGGTTTCCAAAGCTATGTAGATTAGATAAATCTCAGAGTGAGCTCG 480
DB 421 GCCTGTGCCAACTGGGTTTCCAAAGCTATGTAGATTAGATAAATCTCAGAGTGAGCTCG 480
QY 481 CTGGAGGGGACGTTCCGGAGGAGTTTGTGTCATCGATCACTCTTGCCAGATGACAAG 540
DB 481 CTGGAGGGGACGTTCCGGAGGAGTTTGTGTCATCGATCACTCTTGCCAGATGACAAG 540
QY 541 GTGACTGTGATTAACACACTCAGTATATGTAGGGAGGATGTGCTCTGGCCACGCTGGTT 600
DB 541 GTGACTGTGATTAACACACTCAGTATATGTAGGGAGGATGTGCTCTGGCCACGCTGGTT 600
QY 601 ACCTTGCACTGACAGCTGTGGTCAATAGAGGGGCTACAGCTCAGCATCTGGGTGGA 660
DB 601 ACCTTGCACTGACAGCTGTGGTCAATAGAGGGGCTACAGCTCAGCATCTGGGTGGA 660
QY 661 AACATGTCTTCTGCTATCATCGCCCTGTGGATCATCACTGTGTCACACTGTGTTAT 780
DB 661 AACATGTCTTCTGCTATCATCGCCCTGTGGATCATCACTGTGTCACACTGTGTTAT 780
QY 781 GACTGTGTACCTCCCAAGTCATGGAACCAATCCAGGTGGGTCTAGTTTCCCTGTTGGAACAAT 840
DB 781 GACTGTGTACCTCCCAAGTCATGGAACCAATCCAGGTGGGTCTAGTTTCCCTGTTGGAACAAT 840
QY 841 CCAGCCCACTCCACTTGTGTGAGAGATGTCTACCAAGCAAGTACAGCCCAAGAGG 900
DB 841 CCAGCCCACTCCACTTGTGTGAGAGATGTCTACCAAGCAAGTACAGCCCAAGAGG 900
QY 901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGCCCACTCACGTTCAATGAATGATC 960
DB 901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGCCCACTCACGTTCAATGAATGATC 960
QY 961 CAGCCTGTGTGCTGCCCCAATCTGAAGAGAACTTCCCCGATGGAAGTGTGCTGGACG 1020
DB 961 CAGCCTGTGTGCTGCCCCAATCTGAAGAGAACTTCCCCGATGGAAGTGTGCTGGACG 1020
QY 1021 TCAGATGGGGGGCCACAGAGATGG--AGGTGACGCTCCCTGTCTGTAACCAACGG 1077
DB 1021 TCAGATGGGGGGCCACAGAGATGG--AGGTGACGCTCCCTGTCTGTAACCAACGG 1077
QY 1078 GCGCTCCCTTTGATTTCCAAAGATCTGCAACCAAGAGAGCTGTACGGTGGCATCATC 1137
DB 1078 GCGCTCCCTTTGATTTCCAAAGATCTGCAACCAAGAGAGCTGTACGGTGGCATCATC 1137
QY 1138 TCCCCCTCCATGCTCTGCGCGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGAC 1197
DB 1138 TCCCCCTCCATGCTCTGCGCGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGAC 1197
QY 1198 AGCGGGGGCCCTGGTGTCTCAAGAGAGGAGCTGTGAAGTGTAGTGGGAGGCCAGC 1257
DB 1198 AGCGGGGGCCCTGGTGTCTCAAGAGAGGAGCTGTGAAGTGTAGTGGGAGGCCAGC 1257
QY 1201 AGCGGGGGGGCCCTGGTGTCTCAAGAGAGAGGCTGTGAAGTGTAGTGGGAGGCCAGC 1260
DB 1201 AGCGGGGGGGCCCTGGTGTCTCAAGAGAGAGGCTGTGAAGTGTAGTGGGAGGCCAGC 1260
QY 1258 TTTTGGCATCGGTGCGCAGAGGTGAACAAGCTTGGGGTGTACACCCGCTGTCACTCCCTTC 1317
DB 1258 TTTTGGCATCGGTGCGCAGAGGTGAACAAGCTTGGGGTGTACACCCGCTGTCACTCCCTTC 1317
QY 1261 TTTTGGCATCGGTGCGCAGAGGTGAACAAGCTTGGGGTGTACACCCGCTGTCACTCCCTTC 1320
DB 1261 TTTTGGCATCGGTGCGCAGAGGTGAACAAGCTTGGGGTGTACACCCGCTGTCACTCCCTTC 1320

QY 1318 CTGGACTGGATCCAGAGCAGATGGAGAGACCTTAAAAAAGCTGA 1362
DB 1321 CTGGACTGGATCCAGAGCAGATGGAGAGACCTTAAAAAAGCTGA 1365
RESULT 2
US-11-037-243-51
; Sequence 51, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatencIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 1374
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-51
Query Match 14.0%; Score 191.2; DB 7; Length 1374;
Best Local Similarity 55.8%; Pred. NO. 1.6e-46;
Matches 433; Conservative 0; Mismatches 328; Indels 15; Gaps 3;
QY 571 AGGAGGAGATGTGCTCTGGCCACGTTGTTGACAGTGCACAGCTGTGGTCAATAGA 630
DB 577 AGGAACAATGCACCTTCTGGTCAAGTTGTTTCCCTCAGATGCTCTGAGTGTGG---AGGG 633
QY 631 AGGGGCTACAGCTCAGCATCGTGGTGGAAACATGTCTTGCTCTCGCAGTGGCCCTGG 690
DB 634 AGGCCCCCTGGCTTCCGGATAGTTGGTGGCAGTCTGTGGCTCTCGGGCGCTGGCGTGG 693
QY 691 CAGGCCAGCTTCAAGTTCAGGGGTACCACTGTGGGGGGTCTGTGTCATCAAGCCCCCTG 750
DB 694 CAGGCCAGCTGGCCCTGGGCTTCGGGCACAGCTGTGGGGGCTCTGTGTAGCGCACGC 753
QY 751 TGGATCATCACTGTGACACACTGTGTTTATGACTTGTACCTCCCAAGTCAATGGACCATC 810
DB 754 TGGGTGGTGAAGTGTGACATTTGATGACAGTTTTCAGGCTGGCCCGCTGTCCAGCTGG 813
QY 811 CAGGTGGGTGTAGTTTTCCTGTGGACAAATCCAGCCCATCCCACT-----TGGTG 861
DB 814 CGGGTTCATGGGGCTGGTTCAGCCACAGTGCCTGAGGCCCAACCAAGGGGCTCTGGTG 873
QY 862 GAGAGATGTCTACCAAGCAAGTGAAGCCAAAGAGGCTGGGCAATGACATCGCCCTT 921
DB 874 GAGAGGATATCCCAACCCCTCTACAGTGGCCAGAAATCATGACTACGACGTGCGCCCTC 933
QY 922 ATGAAGCTGGCGGCCACTCAGTTCAATGAATGATCCAGCTGTGTCCTGCGCCCAAC 981
DB 934 CTGAGGCTCCAGACCGCTCTCACTTCTCAGACATGTGGGGCGCTGTGTGCTTGGCGGC 993
QY 982 TCTGAAGAGAACTTCCCGATGGAAAAAGTGTGCTGGAGCTCAGGATGGGGGGCCACAGAG 1041
DB 994 AAGGAACAGCATTTTCCGAGGGCTCGCGGTGCTGGGTGTCTGTGGTGGGGCCACACCCAC 1053
QY 1042 GATGG---AGGTGAGCCTTCCCTCTGTAACCAAGCGGGCGCTCCCTTTGATTTTCAAC 1098
DB 1054 CCTAGCCATACTTACAGCTCGGATATGCTCCAGGACACGGTGTGCTTGTTCAGCACT 1113
QY 1099 AGATCTGCNACCAACAGGAGCGTGTACGTTGCGTCATCTCTCCCTCCATCTCTCTCGCG 1158

Db 1114 CAGCTCTGCAACAGCTCTTGGCTGTACAGCGAGCCCTCACCCCGCATGCTTTCGCGCT 1173
Qy 1159 GCCTACCTGACGGTGGCTGACAGCTGCCAGGGGACAGCGGGGGCCCTGGTGTGT 1218
Db 1174 GCCTACCTGACGGGAAAGGCTGATGATGCCAGGGAGATAGCGGGGGCCCCCTAGTGTGC 1233
Qy 1219 CAAGAGAGGAGGCTGTGGAAAGTTAGTGGAGCGCACAGCTTTGGCATCGGCTGCGCAGAG 1278
Db 1234 CAGATGGGACACATGGCGCCCTAGTGGGGTGGTCACTGGGGCGCTGCGTGGCAGAG 1293
Qy 1279 GTGAACAGCTGGGGTGTACACCGGTGTCACTCTCTTCTGAGACTGTGATCCACGA 1334
Db 1294 CCCAATCACCCAGGTGTCTACGCCAAGGTAGCTGAGTTTCTGGAATGATCATGA 1349

RESULT 3
US-11-037-243-45
; Sequence 45, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 45
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-45

Query Match 13.3%; Score 181.4; DB 7; Length 1614;
Best Local Similarity 55.7%; Pred. No. 1.4e-43;
Matches 413; Conservative 0; Mismatches 316; Indels 12; Gaps 3;

Qy 631 AGGGGTACAGCTCAGCGATCGTGGGTGGAAACATGTCTTGTCTCGCAGTGGCCCTGG 690
Db 868 AGGGCCATGACCGGGCGGATCGTGGAGGGCGCTGGCTCGGATAGCAAGTGGCTTGG 927
Qy 691 CAGGCCAGCCTTCAGTTCAGAGGCTACCACTGTGCGGGGGCTCTGTCAATCAGCCCTTG 750
Db 928 CAAGTGAGTCTGCACTTGGCCACCACTCATCTGTGGAGGACCGCTCATTTGACGCCAG 987
Qy 751 TGATCATCACTCTGCACTGTGTTATG-----ACTTGTACTCCCAAGTCATGG 804
Db 988 TGGGTGTCTACCTCGCCCACTGCTTCTGTGACCGGGAGAGGTCTTGGAGGGCTGG 1047
Qy 805 ACCATCAGGTGGTCTAGTTTCCCTTGTGCAATCCAGCCCATCCCACTTGTGGAG 864
Db 1048 AAGGTGTACGGGGACCAACCACTGCACAGTGTGCTGAGGAGCCTCCATTCGCGAG 1107
Qy 865 AAGATTGTCTACCAAGCAAGTACAAGCCAAAGAGGTGGGCAATGATCGCCCTTATG 924
Db 1108 ATCA---TCATCAACAGCAATTACACCGATGAGGAGGACGACTATGATCGCCCTCATG 1164
Qy 925 AAGTGGCCGGGCACTCAGTTTCAATGAATGATCCAGCCTGTGTGCTGCCCACTCT 984
Db 1165 CGGCTGTCAAGCCCTGACCCCTGTCCGCTCAATCACCCCTGTGCTGCCCTCCCATGAT 1224
Qy 985 GAAGAGAACTTCCCGATGAAAAGTGTGCTGACAGCTGAGGATGGGGGGCCACAGAGGAT 1044

RESULT 4

US-11-183-914-18
; Sequence 18, Application US/11183914
; Publication No. US2005028214A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Tang, Tom Y.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; APPLICATION DATA:
; APPLICATION NUMBER: US/11/183,914
; FILING DATE: 19-JULY-2005
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,271
; FILING DATE: 16-Jan-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mohan-Peterson, Sheela
; REGISTRATION NUMBER: 41,201
; REFERENCE/DOCKET NUMBER: PF-0458 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2038 base pairs
; TYPE: nucleic acid

Db 1225 GGACAGACCTTTCAGCTCAATGAGACCTGTGGATCAGAGGCTTTGGCAAGACCAGGAG 1284
Qy 1045 GGAGGTGAC---GCCCTCCCTGTCTGTAAACACACGCGCGCGTCCCTTTGATTTTCAACAAAG 1101
Db 1285 ACAGATGACAAGACATCCCTTCTCCGGAGGTGACAGGTCAATCTCATCGACTTCAAG 1344
Qy 1102 ATCTGCAACCAACAGGAGCTGTACGGTGGCATCATCTCCCTCCCTCCATCTCTGCGCGGCG 1161
Db 1345 AAATGCAATGACTACTTGGTCTATGACAGTTACCTTACCCCAAGGATGATGTGCTGGG 1404
Qy 1162 TACCTGACGGGTGGGTGACAGCTGCGAGGGGACAGCGGGGGCCCTTGTGTGTCAA 1221
Db 1405 GACCTTCTGGGGGACAGACTCTCTGCGAGGACAGCGGGGGCCCTTGTGTGTGAG 1464
Qy 1222 GAGAGGAGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATCGGCTGCCAGAGGTG 1281
Db 1465 CAGAACACCCGCTGTGTACCTGCGAGGTGTACCCAGCTGGGGCACAGGCTGTGGCCAGAG 1524
Qy 1282 AACAGCCTGGGTGTACACCGGTGTACCTTCTTCTGGACTGGATCCACGAGCAGATG 1341
Db 1525 AACAAACCTGGTGTGTACACCAAGTGACAGAAAGTTCTTCCCTGGATTTACAGCAAGATG 1584
Qy 1342 GAGAGAGACCTTAAAAACCTGA 1362
Db 1585 GAGCGAGAGTCCGATTGAGA 1605

```
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNOT13
; CLONE: 1337018
; US-11-183-914-18

Query Match      11.7%; Score 159.2; DB 7; Length 2038;
Best Local Similarity 53.7%; Pred. No. 5.9e-37;
Matches 426; Conservative 0; Mismatches 353; Indels 15; Gaps 4;

QY 571 AGGAGGAGGATGCTCTGGCCACAGTGGTTACCTTGGCAGTGACAGCCCTGGTGCATAGA 630
Db 731 AGTGGCCCTGTCTCTCAGGCTCCCTGGTCTCCCTGCACTGTCTGCTGGGGAGAGC 790

QY 631 AGGGGCTACAGCTCAGCATCGATCGTGGTGGAAACATGTCTCTCTCGCAGTGGCCCTGG 690
Db 791 CTG---AAGACCCCGTGTGGTGGGGAGGAGGCTCTGTGGATTCTTGGCCTTGG 847

QY 691 CAGGCCAGCTTCAGTTCCAGGGCTACACCTGTGGGGGGCTCTGTATCAGGCCCTTG 750
Db 848 CAGGTGAGCATCAGTACGACAAACAGCAGCATGTCTGTGGAGGAGCATCTCGACCCCCAC 907

QY 751 TGGATCATCAGTGCACACTGTGTTATGACTTGTACTCTCCCAAGTCAATGGACCATC 810
Db 908 TGGGTCTCTACGGCAGCCCACTGCTT-----CAGAAACATACCGATGTGTCAACTGG 961

QY 811 CAGGTGGGTCTAGTTTCCCTGTGGACAAATCCAGCCCATCCCACTTGGTGGAGAAGATT 870
Db 962 AAGGTGCGGCGAGGCTCAGACAACTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAGATC 1021

QY 871 GTCTACACAGCAAGTACAAGCCAAAGAGCTGGGCAATGATCGCCCTTATGAAGCTG 930
Db 1022 ATCATCATTTGAATTCAAACCCCATGTACCCCAAGACAATGATCGCCCTCATGAAGCTG 1081

QY 931 GCCGGGCGACTCAGCTTCAATGAATGATCCAGCGCTGTGTGCTGCCCAACTCTCAAGAG 990
Db 1082 CAGTTCCCACTCACTTCTCAGGCAAGTCAAGCCCATCTGTCTGCCCTTCTTGTATGAG 1141

QY 991 AACTTCCCGATGGAAGATGTGTCTGAGCTCAGGATGGGG---GGCCACAGAGGATGA 1047
Db 1142 GAGTCACTCCAGCACCCCACTCTGGATCATTTGATGGGGCTTTACGAGCAGATGA 1201

QY 1048 GGTGACGCTCCCTGTCTGTGAACCAAGCGCGCTGCTTGTGAATTTCAAGATCTGC 1107
Db 1202 GGAAGATGTCTGACATATCTGTGAGGCGTCACTCCAGGTCAATTCAGACACAGCGTGC 1261

QY 1108 AACACAGGAGCTGACGGTGGCATCATCTCCCTCCATGCTCTGCGGGCTACCTG 1167
Db 1262 AATGACAGAGTGCCTACAGGGGGAAGTCAACGAGAGATGATGTGTCAGGCAATCCCG 1321

QY 1168 ACGGTGGCGTGGACAGCTGCCAGGGGACAGCGGGGGCCCTGCTGTGTCAAGAGAG 1227
Db 1322 GAAGGGGTGTGACACCTGCCAGGGTGACAGTGTGGGCCCTGATGTACCAA---TCT 1378

QY 1228 AGGCTGTGGAAGTTAGTGGAGCGACAGCACTTTGGCATCGGTGGCGAGAGGTGAACAG 1287
Db 1379 GACCAAGTGGCATGTGTGGGCATCGTTAGCTGGGGCTATGGCTGGCGGGGCCCGAGCAC 1438

QY 1288 CCGTGGGTGTACACCGGTGTACCTCTCTCTGGAAGTGGATCCAGGACAGATGGAGAGA 1347
Db 1439 CAGGAGGTATACCAAGGTCTCAGCCTATCTCAACTGGATCTCAATGTCTGGAAGGCT 1498

QY 1348 GACCTAAACCACTG 1361
Db 1499 GAGCTGTAATGCTG 1512
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RESULT 5
US-11-102-240-111
; Sequence 111, Application US/11102240
; Publication No. US2005026047A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESSION
; FILE REFERENCE: P3230R1C106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/06867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 111
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-11-102-240-111
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Query Match      11.7%; Score 159.2; DB 7; Length 2063;
Best Local Similarity 53.7%; Pred. No. 6e-37;
Matches 426; Conservative 0; Mismatches 353; Indels 15; Gaps 4;

QY 571 AGGAGGAGGATGCTGCTCTGGCCACAGTGGTTACCTTGGCAGTGACAGCCCTGGTGCATAGA 630
Db 732 AGTGGCCCTGTCTCTCAGGCTCCCTGGTCTCCCTGCACTGTCTGCTGGGGAGAGC 791

QY 631 AGGGGCTACAGCTCAGCATCGATCGTGGTGGAAACATGTCTCTCTCTCGCAGTGGCCCTGG 690
Db 792 CTG---AAGACCCCGTGTGGTGGGGAGGAGGCTCTGTGGATTCTTGGCCTTGG 848

QY 691 CAGGCCAGCTTCAGTTCCAGGGCTACACCTGTGGGGGGCTCTGTATCAGGCCCTTG 750
Db 849 CAGGTGAGCATCCAGCTACGACAAACAGCAGCATGTCTGTGGAGGAGCATCTCGACCCCCAC 908

QY 751 TGGATCATCAGTGTGCACACTGTGTTATGACTTGTACTCTCCCAAGTCAATGGACCATC 810
Db 909 TGGGTCTCTACGGCAGCCCACTGCTT-----CAGAAACATACCGATGTGTCAACTGG 962

QY 811 CAGGTGGGTCTAGTTTCCCTGTGGACAAATCCAGCCCATCCCACTTGGTGGAGAAGATT 870
Db 963 AAGGTGCGGCGAGGCTCAGACAACTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAGATC 1022

QY 871 GTCTACACAGCAAGTACAAGCCAAAGAGGCTGGGCAATGATCGCCCTTATGAAGCTG 930
Db 1023 ATCATCATTTGAATTCACCCCATGTACCCCAAGACAATGATCGCCCTCATGAAGCTG 1082

QY 931 GCCGGGCGACTCAGCTTCAATGAATGATCAGCGCTGTGTGCTGCCCAACTCTCAAGAG 990
Db 1083 CAGTTCCCACTCACTTCTCAGGCAAGTCAAGGCCCATCTGTCTGCCCTTCTTTGATGAG 1142

QY 991 AACTTCCCGATGGAAGATGTGTCTGGAGCTCAGGATGGGG---GGCCACAGAGGATGA 1047
Db 1143 GAGTCACTCCAGCCACCCCACTCTGGATCATTTGATGGGGCTTTACGAGCAGATGA 1202

QY 1048 GGTGACGCTCCCTGTCTGTGAACCAAGCGGGCGCTCCCTTTGATTTCAAGATCTGC 1107
Db 1203 GGAAGATGTCTGACATATCTGTGAGGCGTCAAGTCCAGGTCAATTCAGACGACACCGTGC 1262

QY 1108 AACACAGGAGCTGTGACGGTGGCATCATCTCCCTCCATGCTCTGCGGGCTACCTG 1167
Db 1263 AATGACAGAGTGCCTACAGGGGGAAGTCAACGAGAGATGATGTGTGAGGCAATCCCG 1322

QY 1168 ACGGTGGCTGGACAGCTGCCAGGGGACAGCGGGGGCCCTGCTGTGTCAAGAGAG 1227
Db 1323 GAAGGGGTGTGACACCTGCCAGGTGACAGTGTGGGGCCCTGATGTACCAA---TCT 1379
```

QY 1228 AGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATCGGCTGGCAGAGGTGAACAAG 1287
Db 1380 GACCAAGTGGCATGTGGTGGCATCGTTAGCTGGGGCTATGGCTGGGGGGCCCGAGCACC 1439
QY 1288 CTGGGGGTGACACCGGTGTACCTTCCTTCTGGACTGGATCCAGCAGAGATGGAGAGA 1347
Db 1440 CCAGGAGTATACACCAAGGTCTCAGCCTATCTCACTGGATCTACAATGTCTGGAAGGCT 1499
QY 1348 GACCTAARAACCTG 1361
Db 1500 GAGCTGTAATGCTG 1513

RESULT 6

US-11-037-243-38
; Sequence 38, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; PRIOR FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 3387
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-38

Query Match 11.2%; Score 152.2; DB 7; Length 3387;
Best Local Similarity 53.5%; Pred. No. 8.9e-35;
Matches 388; Conservative 0; Mismatches 328; Indels 9; Gaps 3;

QY 623 GTCAAGAGGGGCTACAGCTCAGCTCAGCATCGGATCGGGTGAACAATGCTTCTCGCAGT 682
Db 1691 GGCCTGCAATGGAAGAGCCACCCGGGTCTGGGGGGTTTCGAGCTGCTCCGGGGAGG 1750
QY 683 GGCCTGGCAGGCGCAGCTTCAGTTCAGGGGTACACCTGTGCGGGGCTCTGTCAATCA 742
Db 1751 TGCCCTGGCAGGTCAGCTGAGGAAGGGTCCCGGCACTTCTCGGAGCAACTGTGGTGG 1810
QY 743 CGCCCTGTGGATCATCACTGTGTCACATCTGTGTTATGACTTGTATCTCCCAAGTCAT 802
Db 1811 GGGACCGCTGGCTGTCTGCGGCCACTGCTTCAACACACAGAGGTGGAGCAGGTTTC 1870
QY 803 GGAACATCCAGGTGGGTAGTTAGTTTCCCTGT---TGGAACAATCCAGCCCCCATCTTGG 859
Db 1871 GGGCCCACTGGGCACTCGCTCCCTCTCGGGCTGGGGGAGCCCGGTGAAGATCGGGC 1930
QY 860 TGGAGAAGATTGTCTACACAGCAGTGTACAGCCAAAGAGCTGGGCAATGACATCGCCC 919
Db 1931 TGGCGGGGTAGTGTCTGACCCCTCTACAAACCTCGGCATCCCTGGACTTCGACTGGCTG 1990
QY 920 TTATGAAGCTGGCGGGCCACTCAGCTTCAATGAATGATCCAGCTGTGTGCTGGCCCA 979
Db 1991 TCCTGGAGCTGGCCAGCCCCCTGGCTTCAACAATACATCCAGCTGTCTGCTGGCCCC 2050
QY 980 ACTCTGAAGAGAACTTCCCGATGGAAAAGTGTCTGGAGCTCAGGATGGGGGCCACAG 1039
Db 2051 TGGCCATCCAGAAGTTCCCTGTGGCGGAGTGCATGATCTCGGATGGGAAATACGC 2110
QY 1040 AGGATGAGGTTGACGCTCCCTCTGCTGAACACAGCGGGCGTCCCTTTGATTTCCAA 1099

Db 2111 AGGAAGAAATGCCCAAGCCGAGCTCTCTGCAAGAGCGTCCCTGGGCATCATAGACC 2170
QY 1100 AGATCTGCAACACACAGGAGCGTGTACGGTGGCATCATCTCCCCCTCCATGCTTGGCGG 1159
Db 2171 AGA---AAACCTGTAGTGTCTTACAACTTCTCCCTCACAGACCGCATGATCTGCGCAG 2227
QY 1160 GCTACTCTACCGGTGGCTGTGACAGCTGCCAGGGGAGACAGGGGGGCCCCCTGGTGTCTC 1219
Db 2228 GCTTCTGGAAGGCAAGTCGACTCTGCGAGGGTGACTCTGCGGGGCCCCCTGGCTGG 2287
QY 1220 AAGAGAGGAGGCTGTGGAAAGTTAGTGGAGGAGGACC---AGCTTTGGCATCGGCTGCGCAG 1276
Db 2288 AGGAGGCCCCCTGGCTGTTTATCTGGCAGGGATCTGAGCTGGGGTATTTGGCTGGCTC 2347
QY 1277 AGGTGAACAAAGCCTCGGGGTGTACACCCCGTGTCCCTTCTTGACATGGATCCACGAGC 1336
Db 2348 AGGTTAAGAGCGCGGCGGTGTACACGCGCATCACAGGCTAAAGGGTGGATCTCTGGAGA 2407
QY 1337 AGATG 1341
Db 2408 TCATG 2412

RESULT 7

US-11-182-752-1
; Sequence 1, Application US/11182752
; Publication No. US20050250154A1
; GENERAL INFORMATION:
; APPLICANT: Gan, weiniu et al.
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001194DIVII
; CURRENT APPLICATION NUMBER: US/11/182,752
; CURRENT FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1615
; TYPE: DNA
; ORGANISM: HUMAN
US-11-182-752-1

Query Match 10.5%; Score 143; DB 7; Length 1615;
Best Local Similarity 51.8%; Pred. No. 3.4e-32;
Matches 422; Conservative 0; Mismatches 360; Indels 33; Gaps 3;

QY 580 TGTGCTCTGGCCACGCTGTTACCTTGTGAGTGACAGCTGTGCTCATAGAGGGGCTAC 639
Db 472 TGCCCCAGAGGGCGTTTCTTGGCCGCCATCTGCCAAGACTGTGGCGCGCAGGAAGCTGCC 531
QY 640 AGCTACGATGTGGGTGGAACATGTCTTGTCTCTCCAGTGGCCCTGGCAGGCGCAGC 699
Db 532 GTGGACCGCATCTGGGAGGCGCGGACACAGCTTGGGCGGTGGCGGTGGCAAGTCAGC 591
QY 700 CTTCACTTCAGGGCTACCACTGTGCGGGGCTCTGTATCACAGCCCTCTGTGGATCATC 759
Db 592 CTTTCGTATGATGAGACACACTCTGTGGGGATCCTGTCTCCGGGACTGGGTCTG 651
QY 760 ACTGCTGCACACTGTGTTTATGACTTGTACTCTCCCAAGTC---ATGGACCATCCAGGTG 816
Db 652 ACAGCGCCCACTGTCTCCGGAGCGGACCGGGTCTGTCCGATGGCGAGTGTGTTGCC 711
QY 817 GGTCTAGTTTCCCTGTGGACAATCCAGCCCCCATCTTGTGTGGAGAAGATGTTCTAC 876
Db 712 GGTGCGGTGGCCAGGCGCTCTCCCAAGTCTGCAAGTGGGGGTGCAAGGCTGTGTTCTAC 771
QY 877 CACAGCAAGTA-----CAAGCCAAAGAGCTGGGCAATGACATGCC 918
Db 772 CACGGGGGCTATCTTCCCTTTTCGGAGCCCCCAACAGCGAGGAGAACAGCATATTTGCC 831
QY 919 CTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAATATCCAGCCTGTGTGCTGCC 978

Db 832 CTGGTCCACCTCTCCAGTCCCTGCGCTCCAGATATACATCCAGCTGTGTGCTCCCA 891
Qy 979 AACTCTGAAGAGAACTTCCCCGATGGAAAGTGTGTGAGAGTGTGAGAGTGGGGGCCACA 1038
Db 892 GCTGCGGCGCAGGCCCTGTGTGATGGCAAGATCTGTACCGTACGCGGTGGGGCAACAG 951
Qy 1039 GAGGATGAGGTGAGCGCTCCCTCTCTGAACCAAGCGCGCGTCCCTTTGATTTCCAAAC 1098
Db 952 CAGTACTATGGCCAAACAGCGCGGTACTCCAGGAGGCTCGAGTCCCATATACAGCAAT 1011
Qy 1099 AAGATCTGCAACACACAGGAGCGTGTACCGTGGCATCATCTCCCTCCATGTCTGTGCGG 1158
Db 1012 GATGTCTGCAATGGCGCTGACTTCTATGGAACCAAGATCAAGCCCAAGATGTCTGTGCT 1071
Qy 1159 GCGTACCTGACGGGTGGGTGAGACAGTGTGAGGGGAGAGCGGGGGCCCTGTGTGTGT 1218
Db 1072 GCGTACCGGAGGTGGCATGTATGCTTCCAGAGGCGACAGGGTGTGCTCCCTTTGTGTGT 1131
Qy 1219 CAAGA-----GAGGAGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATC 1266
Db 1132 GAGGACAGCATCTCTCGACGCCACTTGGCGGCTGTGTGGCATTTGTGAGTTGGGGCACT 1191
Qy 1267 GCGTGGCAGAGGTGAACAAGCTGGGTGTACACCGGTGTACCTCTCTGTGACTGG 1326
Db 1192 GCGTGTGCGCTGCGCCAGAGCAGCGGTGTACACAAAGTCAGTGACTTCCGGAGTGG 1251
Qy 1327 ATCCACGACGATGGAGAGACCTTAAACCTG 1361
Db 1252 ATCTTCCAGGCCATAAAGACTCACTCCGAAGCCAG 1286

RESULT 8

US-11-112-908-14
; Sequence 14, Application US/11112908

; Publication No. US20050260659A1

; GENERAL INFORMATION:

; APPLICANT: Harris, Cole

; APPLICANT: Davis, Lisa M.

; TITLE OF INVENTION: Breast Cancer Biomarkers

; FILE REFERENCE: 04-164-US

; CURRENT APPLICATION NUMBER: US/11/112,908

; CURRENT FILING DATE: 2005-04-22

; PRIOR APPLICATION NUMBER: US 60/564,758

; PRIOR FILING DATE: 2004-04-23

; PRIOR APPLICATION NUMBER: US 60/575,978

; PRIOR FILING DATE: 2004-06-01

; PRIOR APPLICATION NUMBER: US 60/631,702

; PRIOR FILING DATE: 2004-11-30

; PRIOR APPLICATION NUMBER: US 60/633,826

; PRIOR FILING DATE: 2004-12-07

; NUMBER OF SEQ ID NOS: 511

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 14

; LENGTH: 1783

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-112-908-14

Query Match 10.5%; Score 143; DB 7; Length 1783;

Best Local Similarity 51.8%; Pred. No. 3,5e-32;

Matches 422; Conservative 0; Mismatches 360; Indels 33; Gaps 3;

Qy 580 TGTGCTCTGGCCAGCTGTGTACCTTGCAGTGCACAGCCCTGTGTGATAGAGGGGCTAC 639

Db 663 TGCCCCAGAGGCGGTTCTTGGCGCCATCTGCCAAGACTGTGGCGGAGGAAGTGGCC 722

Qy 640 AGCTCAGCATGTGGGTGGAACAATGCTTGTCTGTGCTGTGAGTGGCCCTGGCAGGCCAGC 699

Db 723 GTGACCGCATGTGGGAGCGGGACACCACTTGGGCGGTGGCCGTGGCAAGTCAGC 782

Qy 700 CTTCACTCCAGGCTTACCACCTGTGCGGGGCTGTGTCATCACGCCCTGTGGATCATC 759

Db 783 CTTCGCTATGATGGAGCACACCTCTGTGGGGATCCCTGCTCTCCGGGAGCTGGGTGCTG 842
Qy 760 ACTGCTGACACTGTGTTATGACTTGTACTCTCCCAAGTC---ATGACCATCCAGGTG 816
Db 843 ACAGCGCCCACTGCTTCCCGAGCGGAACCGGGTCTGTCCCGATGCGAGTGTTCGCC 902
Qy 817 GGTCTAGTTCCTCTGTTGGACAAATCCAGCCCATCCCACTTTGGTGGGAGAAAGATGTCTAC 876
Db 903 GGTGCGGTGGCCAGGCCCTCTCCCAAGTCTGAGCTGGGGGTGCAAGCTGTGTCTAC 962
Qy 877 CACAGCAAGTA-----CAAGCCAAAGAGGCTGGGCAATGACATCGCC 918
Db 963 CAGCGGGCTATCTTCCCTTTTCGGGACCCCAACAGCAGGAGGAACAGCAACGATATGCC 1022
Qy 919 CTTATGAAGCTGGCGGGCCCACTCAGTTTCAATGAAATGATCCAGCCTGTGTGCTGCC 978
Db 1023 CTGGTCCACCTCTCCAGTCCCTCTCCCAAGATACATCCAGCCTGTGTGCTCCCA 1082
Qy 979 AACTCTGAAGAGAACTTCCCGATGGAAAAGTGTCTGAGCTCAGGATGGGGGCGCCACA 1038
Db 1083 GCTGCGGCCAGGCCCTGTGTGATGGCAAGATCTGTACCGTGACGGGTGGGGCAACAG 1142
Qy 1039 GAGGATGAGGTGAGCGCTCCCTCTGTCTGAACCAACGCGGCGCTCCCTTTGATTTCCAAC 1098
Db 1143 CAGTACTATGCGCAACAGCGCGGGTACTCTCAGGAGGCTCGAGTCCCATATCAGCAAT 1202
Qy 1099 AAGATCTGCAACCAACAGGAGCGTGTACGGTGGCATCTCTCCCTCCATGCTGTGCGGG 1158
Db 1203 GATGTCTGCAATGGCGCTGACTTCTATGAAAACCAAGATCAAGCCCAAGATGTCTGTGCT 1262
Qy 1159 GCGTACCTGACGGGTGGGTGAGACAGCTGCGAGGGGACAGCGGGGCGCCCTGTGTGT 1218
Db 1263 GCGTACCGGAGGTGGCATGTATGCTCCAGGGGACAGCGGTGTGCTGAGTTGGGGCACT 1322
Qy 1219 CAAGA-----GAGGAGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATC 1266
Db 1323 GAGGACAGCATCTCTCGGACGCCAGCTTGGCGGCTGTGTGCAATTTGAGTTGGGGCACT 1382
Qy 1267 GCGTGGCAGAGGTGAACAAGCTGGGTGTGATACCCGTGTACCTCTCTCTGACTGG 1326
Db 1383 GCGTGTGCTTGGCCCGCCAGAGCCAGCGCTCTACACCAAGTCAGTGACTTCCGGGAGTGG 1442
Qy 1327 ATCCACGACGATGGAGAGAGACTTAAACCTG 1361
Db 1443 ATCTTCCAGGCCATAAAGACTCACTCCGAAGCCAG 1477

RESULT 9

US-11-000-688-380

; Sequence 380, Application US/11000688

; Publication No. US20050287544A1

; GENERAL INFORMATION:

; APPLICANT: BERTUCCI, Francois

; APPLICANT: HOULGATTE, Remi

; APPLICANT: BIRNBAUM, Daniel

; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS

; FILE REFERENCE: 1423-R-03

; CURRENT APPLICATION NUMBER: US/11/000,688

; CURRENT FILING DATE: 2004-12-01

; PRIOR APPLICATION NUMBER: US 60/525,987

; PRIOR FILING DATE: 2003-12-01

; NUMBER OF SEQ ID NOS: 1596

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 380

; LENGTH: 1783

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE: OTHER INFORMATION: Description of Artificial sequences:primer

; FEATURE: NAME/KEY: misc feature

; LOCATION: (1)..(1783)

; OTHER INFORMATION: hepsin (transmembrane protease, serine

OTHER INFORMATION: 1) (HPN) gene.
US-11-000-688-380

Query Match 10.5%; Score 143; DB 7; Length 1783;
Best Local Similarity 51.8%; Pred. No. 3.5e-32;
Matches 422; Conservative 0; Mismatches 360; Indels 33; Gaps 3;

QY 580 TGTGCTCTGGCCACGCTGTTACTTTCAGTGCACAGCCCTGTGTCATAGAGGGGCTAC 639
DB 663 TGCCCCAGAGGCGTTTCTTGGCGCCATCTGCCAAGACTGTGGCGCAGGAGTGCC 722
QY 640 AGCTACGATCTGGTGGTGAACATGTCTTGTCTCTCGAGTGGCCCTGGCAGGCCAGC 699
DB 723 GTGGACCGCATCTGGGAGCGCGGACACAGCTTGGCGCGTGGCGTGGCAAGTCAGC 782
QY 700 CTTCACTTCAGGGCTACACCTGTGGGGGGCTGTCTATCACGCCCTCTGTGGATC 759
DB 783 CTTTCGTATGATGAGACACACCTCTGTGGGGATCCCTGTCTCGGGGACTGGGTGTG 842
QY 760 ACTGCTGCACATGTGTTATGACTTGTACTCTCCCAAGTC---ATGGACCATCCAGGTG 816
DB 843 ACAGCGCCCATCTCTCCGAGCGGACCGGGTCTGTCCGATGGCGAGTGTGGC 902
QY 817 GGTCTAGTTCCCTGTGGAACATCCAGCCCATCCCACTTGTGTGAGAGATGTTCTAC 876
DB 903 GGTGCGGTGSCCCAGGCTCTCCCCACGGTCTGCAGCTGGGGGTGCAGGCTGTGTCTAC 962
QY 877 CACAGCAAGTA-----CAAGCCAAAGAGGTGGGCAATGACATCGCC 918
DB 963 CAGGGGGCTATCTTCCCTTTTCGGGACCCCAACAGCGAGGAGAACACGATATGGC 1022
QY 919 CTTATGAGCTGCGCGCCACCTACGTTCAATGAATATCCAGCTGTGTGCCCTGCC 978
DB 1023 CTGGTCACCTCTCCAGTCCCTCTCCCTCTCACAGATATACATCCAGCTGTGTGCCCTCCA 1082
QY 979 AACTCTGAAGAGAACTTCCCGATGGAAGAGTGTGTGAGCTGACGATGGGGGGCCACA 1038
DB 1083 GCTGCGCGCCAGGCCCTGGTGATGCAAGATCTGTACCGTGACGGGCTGGGCAACAG 1142
QY 1039 GAGGATGAGGTGACGCTCTCCCTGTCTGTAACACAGCGGCGCTGCTTGTGATTTCAAC 1098
DB 1143 CAGTACTATGGCCAAACAGGCGGGGTACTCCAGAGGCTCGAGTCCCCCAATCAGCAAT 1202
QY 1099 AAGATCTGAACACAGGAGGTGTACGGTGGCATCATCTCCCTCCATGCTCTGGCG 1158
DB 1203 GATGTCTGCAATGGCGTGACTTATGGAACACAGATCAAGCCCAAGATGTTCTGTGCT 1262
QY 1159 GGCTACTGAGCGGTGGCTGGACAGCTGCCAGGGGACAGCGGGGGCCCTGTGTGT 1218
DB 1263 GGCTACCCGAGGTGSCATGTATGCTGTCCAGGGCGACAGCGGTGTCTTGTGT 1322
QY 1219 CAAGA-----GAGAGGCTGTGAAAGTTAGTGGAGGACACAGCTTTGGCATC 1266
DB 1323 GAGGACAGCATCTCTCGGACGCCACGTTGGCGGTGTGTGGCATTTGTAGTGGGGCACT 1382
QY 1267 GGCTGCCAGAGGTGAACAGCTTGGGTGTACCGCTGCTACCTCTCTCTCTGGATGG 1326
DB 1383 GGCTGTGCTTGGCCCAAGAGCCAGGCGTCTACACCAAGTCACTGCTGCTTCCGGAGTGG 1442
QY 1327 ATCCACGAGCAGATGGAGAGACTTAAACCTG 1361
DB 1443 ATCTTCAGGCCATTAAGACTCACTCCGAGGCCAG 1477

RESULT 10
US-11-056-621-5
; Sequence 5, Application US/11056621
; Publication No. US2005026592A1
; GENERAL INFORMATION:
; APPLICANT: Spencer, David
; APPLICANT: Dickey, Lynn P.
; APPLICANT: Gaedaka, John R.
; APPLICANT: Wang, Xiaowei

APPLICANT: Cox, Kevin M.
APPLICANT: Peele, Charles G.
TITLE OF INVENTION: EXPRESSION OF PLASMINOGEN AND
FILE REFERENCE: 40989/274646
CURRENT APPLICATION NUMBER: US/11/056,621
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: US 60/543,487
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 780
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Duckweed codon optimized sequence encoding human
OTHER INFORMATION: microplasminogen
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(780)
US-11-056-621-5

Query Match 10.0%; Score 136.6; DB 7; Length 780;
Best Local Similarity 53.9%; Pred. No. 1.9e-30;
Matches 377; Conservative 0; Mismatches 304; Indels 18; Gaps 4;
QY 646 CGCATCTGGTGGGAAACATGTCTCTCGAGTGGCCCTGGCAGGCGACCTTCAG 705
DB 85 CCGGTGTGGAGGGTGGTGGCCACCCGCACTCTGGCCCTGGCAAGTCAGCTGGC 144
QY 706 TTCC---AGGGGTACCACTGTGCGGGGCTGTGTATCACGCCCTGTGTGATCATCACT 762
DB 145 ACCCGCTTCGGCATGTCATCTCTGGCGGCACTCTCTCCCGAGTGGTTCGACC 204
QY 763 GCTGCACATGTGTTTATGACTTGTACCTCCCAAGTCAAGCATCCAGGTGGTCTA 822
DB 205 GCGCTCACTGCTCTGGAAGTC-----CCGAGGCCCTCTCTTACAGGTGTCCTCTG 258
QY 823 GTTTCCTCTGTGACAACTCCAGCCCATCCACTTGTGGAGAGATTTGTACCAACAGC 882
DB 259 GCGGCCCAACAGAGGTGAACCTCGAGCGCAGCTTCAGAGATCGAGGTGTCCTCGTTG 318
QY 883 AAGTACAAAGCAAGAGGTGGGCAATGACATCGCCCTTATGAAGTGGCGGGCCATC 942
DB 319 TTCTGTGAGCCCA-----CGCGCAAGGATATCGCCCTGTCTCAAGCTCTCTAGCCGGCC 372
QY 943 AGCTTCAATGAATGATTCAGCTGTGTGCTGCCCACTCTGAAAGAGAACTTCCCGCAT 1002
DB 373 GTCATCACGACAAAGGTTATCCCGGCTGTCTTCCCTCCCGAACTACGTGGTGTGCTGAC 432
QY 1003 GGAAGATGTGTGACGTGACGATCGGAGTGGGGGCCACAGAGATGGAGTGCAGCTTCCCT 1062
DB 433 CGCACGAGTGTCTGTTTACCGCTGGGGGAGACCCAG---GGAAGTTCGGGGGGGC 489
QY 1063 GTCTGAAACACACGCGCGCTCTTGTATTTCAACAAGATCTGCAACCAACAGGACGTG 1122
DB 490 CTCTCTCAAGAGGCCACAGCTCTCCCGGTGATTGAGAACAGGTGTGCAACCGTTACGAGTTC 549
QY 1123 TACGGTGGCATATCTCCCTCTCATGCTGTGCGGGGCTACCTGACGGGTGGGTGGAC 1182
DB 550 CTGAACGGGGCGTCCAGTCCACCGAACTCTGCGCGGGGCACTTGGCGCGGCGCACCGAC 609
QY 1183 AGCTGCCAGGGGACAGCGGGGGCCCTGCTGTGTCAAGAGAGGCTGTGGAAGTTA 1242
DB 610 AGCTGCCAGGGGACAGCGCGGGCGCTGTTGTGTTCCAGAGAGGCAAGTATCATCTCTC 669
QY 1243 GTGGAGCGACACAGCTTTTGGCATCGCTGCGCAGAGGTGAACAGCTCGGGGTGTACAC 1302
DB 670 CAAGGGGTACGTCCTTGGGGCTCTGGCTGGCGACGCCCTAACAGCGGGCTCTATGTG 729
QY 1303 CGTGTCACTCTCTCTTCTGGAATCCAGAGCAGATG 1341

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Db 730 CGCGTGTCCCGCTTCGTGACCTGGATCGAGGGCGTGTATG 768

RESULT 11
US-11-056-621-3
; Sequence 3, Application US/11056621
; Publication No. US20050262592A1
; GENERAL INFORMATION:
; APPLICANT: Spencer, David
; APPLICANT: Dickey, Lynn F.
; APPLICANT: Gasdaska, John R.
; APPLICANT: Wang, Xiaowei
; APPLICANT: Cox, Kevin M.
; APPLICANT: Peele, Charles G.
; TITLE OF INVENTION: EXPRESSION OF PLASMINOGEN AND
; FILE REFERENCE: MICROPLASMINOGEN IN DUCKWEED
; CURRENT APPLICATION NUMBER: 40989/274646
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: US/11/056,621
; PRIOR FILING DATE: 2004-02-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2376
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Duckweed codon optimized sequence encoding human
; plasmidogen
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2376)
US-11-056-621-3

Query Match 10.0%; Score 136.6; DB 7; Length 2376;
Best Local Similarity 53.9%; Pred. No. 3.2e-30;
Matches 377; Conservative 0; Mismatches 304; Indels 18; Gaps 4;

QY 646 CGCATCGTGGTGGAAACATGCTTGTCTCGAGTGGCCCTGGCAGGCCAGCCTTCAG 705
Db 1681 CGCGTGGTCGAGGGTGGCGGCCACCGCACTCCTGGCCCTGGCAAGTCAGCCTCGC 1740
QY 706 TTCC---AGGGTACCACTGTGGGGGCTGTGTCATCAGCCCTGTGATCATCACT 762
Db 1741 ACCCGCTTCGGCATGCACTTCTGCGCGCGCACCTCATCTCCCGAGTGGGTCTGACC 1800
QY 763 GCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCATGACCATCCAGTGGGTCTA 822
Db 1801 GCGGTCACTGCTCGAAGTCTC-----CCGAGGCCCTCTCTCAAGTCACTCTG 1854
QY 823 GTTTCCTGTGTGACAATCCAGCCCATCCCACTTGGTGGAGAAATGTTCTACACAGC 882
Db 1855 GCGCCCAACAGAGGTGAACCTCGAGCGCAGTTCAGGAGATCGAGGTGTCGCGTTG 1914
QY 883 AAGTACAGCCAAAGAGGTGGGCAATGACATGCGCCCTTATGAAGCTGGCGGGCACTC 942
Db 1915 TTCTCGAGGCCA-----CGCGCAAGGATATCGCCCTGCTCAAGCTCTCTAGCCCGGCC 1968
QY 943 AGTTTCAATGAATGATCAGCGCTGTGCTGCGCCCACTCTGAAGAACTTCCCGCAT 1002
Db 1969 GTCAATCAGCAAGGTTATCCCGCGCTGCTCTCCCTCCCGAATCATGTTGCTGCTGAC 2028
QY 1003 GGAAAGTGTGTGACGTGAGGATGGGGGCGCACAGAGGATGGAGGTGACGCTCCCT 1062
Db 2029 CGCACCGAGTGTCTGTTACCGCTGGGGCGAGAGCCAG---GGAAGTGTGGCGCGGC 2085
QY 1063 GTCTGAACCAACCGCGCTGCTTGTGATTTCACAAAGATCTGCAACCAAGGACGTG 1122
Db 2086 CTCCTCAAGGAGGCCAGCTCCCGGTGATTGAGAAACAAAGGTGTGAACCGTTACAGTTC 2145
QY 1123 TACGGTGGCATCATCTCCCGCTCCATGCTCTCGCGGGGTACTCTGACGGGTGGCGTGGAC 1182

Db 2146 CTGAACGGCGCGTCTCAGTCCACCGAACTCTGCGCGGCGCACTTGGCGGCGCACCGAC 2205
QY 1183 AGCTGCCAGGGGACAGCGGGGCGCCCTGCTGTGTCTCAAGAGAGAGAGCTGTGGAGTTA 1242
Db 2206 AGCTGCCAGGGGACAGCGGGGCGCGCTGCTGTGTCTTCGAGAGAGCAAGTACATCTCTC 2265
QY 1243 GTGGAGCGACGACGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACC 1302
Db 2266 CAAGGCGTCACTCTCTGGGGCTCGGCTGCGCAGCCCTTACAAAGCGCGGCTCTATGTG 2325
QY 1303 CGTGTCACTCTCTCTGCGATCGGATCCACAGCAGATG 1341
Db 2326 CGCGTGTCCCGCTTCGTGACCTGACCTGAGGCGGTGATG 2364

RESULT 12
US-11-136-527-2102
; Sequence 2102, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2102
; LENGTH: 2596
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2102

Query Match 9.5%; Score 128.8; DB 7; Length 2596;
Best Local Similarity 51.9%; Pred. No. 6.7e-28;
Matches 373; Conservative 0; Mismatches 327; Indels 18; Gaps 3;

QY 644 CACGATCGTGGTGGAAACATGTCCTTGTCTCTCGAGTGGCCCTGGCAGGCCAGCCTTC 703
Db 1333 CACGTATTGTGGAGGAACAACTCTTCTTAGGAGAGTGGCCATGGCAGGTGACGCTGC 1392
QY 704 AGTTCAG-----GGCTACCACTGTGGGGGGCTCTGTATCATCAGCCCTGTGGA 754
Db 1393 AAGTGAAGTTGGTTTCTCAGAACCATATATGTGTGGAGGGTCCATCATTTGGAAGCCAAATGA 1452
QY 755 TCATCACTGTGCACACTGTGTTTATGACTTGTACTCCCAAGTCATGGACCATCCAGG 814
Db 1453 TACTGACGGCTGCGCATTTGTTGATGGGATTCCTATCCAGAGCTGTGGCGTATATATG 1512
QY 815 TGGGTCTAGTTTCCCTGTGGACAATCCAGCCCATCCCACTTGG-----TGGAGAAAG 868
Db 1513 GCGGATTCTTAATCTGTGACAGATTACAAACAAACGCTTCTCAAGTATAAAGGAGC 1572
QY 869 TTGTCTACACAGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGC 928
Db 1573 TTATTATTATCATCAGAAATACAAAATGTGCAAGGAGGATGATGATATGCTTTAATAAAGC 1632
QY 929 TGGCGGGCCCACTCAGCTTCAATGAATGATCCAGCCTGTGCTGCTGCCCACTCTGAAG 988
Db 1633 TTCAGACACCGTTGAAATTAATGATTTCCAAACCAATATGCTGCTGCTTCCCAAGCTG 1692
QY 989 AGAAGTCTCCCGATGAGAAAGTGTCTGGACGTTCAGGATGGGGGCGCACAGAGGATGAG 1048
Db 1693 ACACAAATACAAATTTATACCAACTGCTGGGTGACTGGATGGGGCTACACAAAGGAAAGCAG 1752
QY 1049 GTGAGCCTCCCTGCTCTGAAACAGCGGGCGCTCCCTTGTGATTTCCACAGATCTGCA 1108
Db 1753 GTGAGACCAAAATATTTCTACAAAAGGCAACTATTTCCCTGGTACCAATGAAGATGCC 1812
QY 1109 ACCACAGGAGCGTGTACGGTGGCATCATCTCCCGCTCCATGCTCTGCGCGGGCTACCTGA 1168
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Db	1813	AGAAAAATATAGATTATG---TTATTAACCAAGCAGATGATCTGTGCTGCTACAAG	1869
Qy	1169	CGGTGGCTGTGACAGCTCCAGGGGACAGCGGGGGCCCTGTGTGTCAAGAGGA	1228
Db	1870	AAGGTGGAATAGATGCTTGAAGGAGATTCCGGTGGCCCTTAGTTTGCAAAACATAGTG	1929
Qy	1229	GCCTGTGGAAGTGTAGTGGAGCGACAGCTTTGGCATCGCTGCGCAGAGGTGAACAAGC	1288
Db	1930	GAAGTGGCAGTGTGTGGGTATCACAGCTGGGTGAAGCTGTGCCCGCAAGGAGCAAC	1989
Qy	1289	CTGGGGTGTACACCCCGTGTCACTCTCTCTGAGTGGATCCAGCAGCAGATGGAGAG	1346
Db	1990	CAGGAGTCTACACCAAGTTGCTGAGTACATTGACTGGATATTGGAGAAGATACAGAG	2047
RESULT 13			
US-10-995-561-19			
; Sequence 19, Application US/10995561			
; Publication No. US20050272054A1			
; GENERAL INFORMATION:			
; APPLICANT: CARGILL, Michele et al.			
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH			
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF			
; TITLE OF INVENTION: DETECTION AND USES THEREOF			
; FILE REFERENCE: CL001559			
; CURRENT APPLICATION NUMBER: US/10/995,561			
; CURRENT FILING DATE: 2004-11-24			
; NUMBER OF SEQ ID NOS: 85702			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 19			
; LENGTH: 2716			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-995-561-19			
Query Match 9.4%; Score 127.6; DB 6; Length 2716;			
Best Local Similarity 51.2%; Pred. No. 1.6e-27;			
Matches 370; Conservative 5; Mismatches 329; Indels 18; Gaps 3;			
Qy	640	AGCTACGCATCGTGGGTGGAACATGCTCTGCTCTCGAGTGGCCCTTGGCAGGCCAGC	699
Db	1692	AGCACAGCATTTGTGGAGGAACAACTCTTCTTGGGAGAGTRGCCCTGGVAGGTGAGC	1751
Qy	700	CTTCAGTTCAGG-----GCTACGACCTGTGGGGGGCTCTGTCAATCAGCCCTCG	750
Db	1752	CTGCAGTGAAGCTGACAGCTCAGAGGCACCTGTGTGGAGGGTCACTCATAGGACACCA	1811
Qy	751	TGGATCATCACTGCTGCACACTGTGTTATGACTTGTACTCCCAAGTCATGGACCATC	810
Db	1812	TGGGTCTCACTGCTGCCCACTGCTTTGATGGGCTTCCCTGCMGGATGTTTGGCGCATC	1871
Qy	811	CAGGTGGGTCTAGTTTCCCTGTTGGACAAATCCA-----GCCCCATCCCACTTTGGTGGAG	864
Db	1872	TATAGTGGCATTTTAATCTGTCAAGATTTACAAAGATACACTTTCTCACAAATAAAA	1931
Qy	865	AAGATTGTCTACACAGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATG	924
Db	1932	GAGATTATTATTACCAAAACTATAAAGTCTCAGAAGGGAAATCATGATATCGCCTTGATA	1991
Qy	925	AAGCTGGCGGGCACTCAGTTTCATGAATGATCCAGCTGTGTGCTGCCCAACTCT	984
Db	1992	AAACTCCAGGCTCTTTGAATTAACATGAATTCAAAACCAATATGCTTACCTTCCAAA	2051
Qy	985	GAAGAGAACTTCCCGATGAAAAAGTGTGCTGGACGTCCAGGATGGGGGGCCACAGAGGAT	1044
Db	2052	GGTGACACAAGCAATTTATACCACTGTGGTAAACCGATGGGGCTTCTCGAAGGAG	2111
Qy	1045	GGAGGTGACGCTCCCTGCTCTGAACCAACGCGGCGCTGCTTTGATTTTCAACAGATC	1104
Db	2112	AAAGGTGAATCCAAAATATTTACAAAAGGTAAATATTCCTTTGGTAAACAAATGAAGA	2171
Qy	1105	TGCAACCAAGGACGTGTAGGTGGCATCATCTCCCTCCATGCTCTCGCGGGGTAC	1164
RESULT 14			
US-11-037-243-41			
; Sequence 41, Application US/11037243			
; Publication No. US20050287546A1			
; GENERAL INFORMATION:			
; APPLICANT: PLOWMAN, GREGORY			
; APPLICANT: WHYTE, DAVID			
; APPLICANT: CAENEPEL, SEAN			
; APPLICANT: CHARYDCZAK, GLEN			
; APPLICANT: MANNING, GERARD			
; APPLICANT: SUDARSANAM, SUCHA			
; TITLE OF INVENTION: NOVEL PROTEASES			
; FILE REFERENCE: 038602/1214			
; CURRENT APPLICATION NUMBER: US/11/037,243			
; CURRENT FILING DATE: 2005-05-26			
; PRIOR APPLICATION NUMBER: US/09/888,615			
; PRIOR FILING DATE: 2001-06-26			
; PRIOR APPLICATION NUMBER: 60/214,047			
; PRIOR FILING DATE: 2000-06-26			
; NUMBER OF SEQ ID NOS: 150			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 41			
; LENGTH: 1737			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-11-037-243-41			
Query Match 9.2%; Score 125.6; DB 7; Length 1737;			
Best Local Similarity 51.9%; Pred. No. 5e-27;			
Matches 374; Conservative 0; Mismatches 319; Indels 27; Gaps 3;			
Qy	646	CGCATCTGGTGGAAACATGCTCTGCTCTCGAGTGGCCCTTGGCAGGCCAGCCCTTCAG	705
Db	214	CGCATCTGGGGGGCAGCGCGCGCGCGGCTGGCCCTGGCTGGTGGAGGCTGCAG	273
Qy	706	TTCCAGGGCTACCCACCTGTGCGGGGGCTCTGTCTATCACGCCCTGTGGATCATCTGCT	765
Db	274	CTCGGGCGCAGCCTCTGTGCGGGCGGCTCTGTGTAGCGGCTCTCTGGGTGCTCACGGCA	333
Qy	766	GCACACTGTGTTTATGACTTGTACCTCCCAAGTCTATGACCAATCCAGGTGGGTCTAGTT	825
Db	334	GGCACTGTCTTGTAGGCTGCCGCTCGACCCGCGCGCCCGCAATGAGCTTCTGTGGACT	393
Qy	826	TCCTGTTGGACNATCCAGCCCATCCCACTTGTGTGGAAG-----ATT	870
Db	394	GTGACCTCTGGCAGAGGGGTCCCGGGGGAGCAAGCGGAGGAGGTGCCAGTGAACCGCATC	453
Qy	871	GTCTACACAGCAAGTACAAAGCCAAAGAGGCTGGCAATGACATCGCCCTTATGAAGCTG	930
Db	454	CTGCCCAACCCCAAGTTTGAACCGCGGACCTTCCACACGACCTGGCCCTGGTGCAGCTG	513
Qy	931	GCCTGGCCCACTCACTGTTCAATGAATGAAATGATCCAGCCTGTGTGCTGCCCCAACTCTGAAGAG	990

Db 514 TGGAGCGCGGTGAGCCCGGGGGATCGGCGCGCCCGTGTGCTGCTGCCCCCAGGAGCCCCAG 573
Qy 991 AACTTCCCGATGGAAAGTGTCTGGACGTTCAGGATGGGGGCCACACAGAGATGGAGGT 1050
Db 574 GAGCCCCCTGCGCGAACCCTTGCGCCATTCGCGGGCTGGGGCGCCCTCTTTCGAAGACGGG 633
Qy 1051 GACGCTCCCTGTCTGTAACACACGCGGCGCTCCCTTTGATTTCAACAAGATCTGCAAC 1110
Db 634 CTGAGGCTGAAGCAGTGAAGAGCCCGTGTTCCTCTGCTCAGACCGACACTG---C 690
Qy 1111 CACAGGACGTGTACGTTGGCATCATCTCCCTCTCCANGCTCTGCGGGCTACCTGACG 1170
Db 691 CGAAGAGCCTGGGGCCCGGCTGCGCCACCATGCTCTGCGCGGGTACCTGGCG 750
Qy 1171 GGTGGGTGGACGTGCTCAGGGGACACGCGGGGCCCCCTGGTGTCTCAAGAGGAGG 1230
Db 751 GGGGGCGTTGACTCGTGTGCGAGGGTGACTCGGGAGGCCCTGACCTGTTCTGAGCCTGGC 810
Qy 1231 CTGTG-----GAAGTTAGTGGGAGCGACAGCTTTGGCATCGGCTGCGCAGAGGTG 1281
Db 811 CCCCCCTTAGAGAGGTCTGTTCGAGTCACTCTCTGGGGGACGGCTGCGGGAGCCA 870
Qy 1282 AACAAGCCTGGGTGTACACCGGTGACCTCTCTCTGGACTGGATCCACGAGCAGATG 1341
Db 871 GGGAGCCCGGGTCTACACCCGCGTGGCAGTGTTCAGGAGTGGGTCCAGGAGCAGATG 930

RESULT 15

US-10-775-169-190
; Sequence 190, Application US/10775169
; Publication No. US20050287532A9

GENERAL INFORMATION:
; APPLICANT: Wyeth

; APPLICANT: Burczynski, Michael
; APPLICANT: Twine, Natalie

; APPLICANT: Dörner, Andrew

; APPLICANT: Trepicchio, William

; TITLE OF INVENTION: Method for Monitoring Drug Activities In Vivo

; FILE REFERENCE: AM101080 (031896-013000)

; CURRENT APPLICATION NUMBER: US/10/775,169

; CURRENT FILING DATE: 2004-02-11

; NUMBER OF SEQ ID NOS: 5278

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 190

; LENGTH: 902

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-775-169-190

Query Match 8.6%; Score 117.4; DB 6; Length 902;

Best Local Similarity 50.1%; Pred.No.9.e-25;

Matches 351; Conservative 0; Mismatches 341; Indels 9; Gaps 2;

Qy 629 GAAGGGGTACAGCTCAGCATCGTGGGTGGAAACATGTCCTGTCTCGCAGTGGCCCT 688
Db 56 GCAGCTCCTTTGGGACCCAGATCATCGGGGGCGGAGGTGATCCCCACTCGGCCCGT 115
Qy 689 GGCAGGCCAGCTTCAGTTCAGGGCTACCACTGTGGGGGGTCTGTTCATCAGCCCC 748
Db 116 ACATGGCCTCACTGCAGAGAAATGGCTCCCACTGTGGGGGGTGTCTGGTGCACCAA 175
Qy 749 TGTGATCATCACTGTCGACACTGTTTATGACTTGTACCTCCCAAGTCATGGACCA 808
Db 176 AGTGGGTGTGACGGCTGCCACTGCCTGGCCCGAGGGATGGCCC-----AGCTGAGGC 229
Qy 809 TCCAGTGGGTCTAGTTTCTGTTGGCAATCCAGCCCCATCCCACTTGGTGGAGAGA 868
Db 230 TGGTGTGGGGTTCACACCCCTGGACAGCCCGGTCTACCTTCCACATCAGGGAGCCA 289
Qy 869 TTGTCTACACAGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGC 928
Db 290 TCCAGCACCCCTCGCTACAAGCCCGTCCCTGGCCCTGGAGAAACGACCTCGGCTGCTTCAGC 349

Search completed: January 8, 2006, 06:21:49
Job time : 212.462 secs

Qy 929 TGGCGGGCCACTCACGTTCAATGAATGATCCAGCCTGTGTGCTGCGCCCAACTCTGAAG 988
Db 350 TGGACGGGAAAGTGAAGCCGACCATCCGGCCGTGGCCCTGCCCAGTAAGCGCC 409
Qy 989 AGAACTTCCCCGATGGAAAGTGTCTGGACGTTCAGGATGGGGGGCCACAGAGGATGGAG 1048
Db 410 AGGTGGTGGCAGCAGGGGACTCGGTGCAGCATGGCGGGCTGGGGGCTGACCCACAGGGCG 469
Qy 1049 GTGACGCCCTCCCTGTCTCTGAACACGCGGGCGTCCCTTTGATTTCCCAACAGATCTGCA 1108
Db 470 GCGCCTGTCCCGGGTGTCTGCGGGAGCTGSGACCTCCAAGTGTGGACACCCCGCATGTGTA 529
Qy 1109 ACCACAGGAGCGTGTACGCTGGCATCATCTCCCTCTCCATGCTCTGCGGGGCTACCTGA 1168
Db 530 ACAACAGCCGCTTCTGGAAACGGCAGCTCTCTCCCCAGCATGGTCTGCTGGCGGCGGACT 589
Qy 1169 CGGTGGCGTGGACAGCTGCCAGGGGACAGCGGGGGCCCCCTGGTGTCTCAAGAGAGA 1228
Db 590 CCAAGGACCAAGCTCCCTGCAAGGGTGACTCGGGGGGGCCCCCTGGTGTGGCAAGGCC 649
Qy 1229 GGCTGTGGAAGTTAGTGGGAGGACAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGC 1288
Db 650 GGGTGTGGCCGGAGTCTCTGCTTCAGCT---CCAGGGTCTGCACTGACATCTTTCAAGC 706
Qy 1289 CTGGGGTGTACACCGGTGTCACTCTCTTCCTGGACTGGATC 1329
Db 707 CTCCGTTGGCCACCGCTGTGGGGCTTACGTGTCTGGATC 747